

```

def new_line():
    print () # prints a blank line

def choice(question_text, middle_text, complete_text, compare_value):#gives the user the choice to
proceed with the game

    new_line()
    question = str(input(question_text))
    new_line()
    if question == compare_value:
        new_line()
        print (complete_text)
        new_line()
    else:
        new_line()
        print(middle_text)
        import sys
        sys.exit(0)

class Question:

    def __init__(self, question_text, middle_text, complete_text, compare_value):
        self.question_text = question_text
        self.middle_text = middle_text
        self.complete_text = complete_text
        self.compare_value = compare_value

    def ask_a_question(self):
        new_line()
        question = input(self.question_text + ": ")
        new_line()
        tries = 1
        while question != self.compare_value:

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    tries = tries + 1

    new_line()

    print(self.middle_text)

    new_line()

    question = input(self.question_text + ": ")

    new_line()

    print (self.complete_text)

    return tries

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class Biology:
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    def __init__(self):
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        self.virus_definition = Question('How is viral reproduction different from bacterial reproduction? a. Virus must have a host cell to reproduce. b. Bacteria don\'t have any DNA, viruses do. c. Bacteria produce a protective shell before reproduction.')
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        "Chloe goes down the path to the left. She encounters a cave full of bats that go swarming past her, and she goes running back to the cave with the pool. Guess we need to try again!",
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        "Chloe continues down the path. The tunnel starts to get smaller as if the roof is dropping. Chloe crawls further until she hits her head. She rolls on her back and uses her phone to see what it was. It's an arrow pointing to an opening just a few feet further. She walks over to a bench and sees another question carved into the wall in front of her.",
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```
        'a')
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```
        self.bacteria_uses = Question('Why are bacteria important to people? a. They are decomposers that break down dead organisms to put nutrients back in the soil. b. They are used in the manufacture of food products such as yogurt and cheese. c. Both of these',
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```
        "Chloe is led down the middle path to a smallish room. The floor seems to be moving. She shines her phone at the floor only to realize it is covered in snakes. She has no choice but to turn back and choose a different path.",
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```
        "Chloe moves down the tunnel to the left. It seems to slope upward to an opening. Below, she can hear the snakes. She shines her light into the same small room to see that she is indeed above the snakes, and has a rope in front of her. She can vaguely see a ledge a few feet further from the rope. Feeling like Indiana Jones, she takes the leap to the rope and swings across to the ledge. She continues down the tunnel to one more room. She shines her phone again and sees a skeleton with a message above it. It says 'The bones are the key'. Further through the room she can see another pair of tunnels.
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She looks back at the skeleton and sees a paper in the skeleton's hand and pulls it out to read it. When Chloe unrolls the paper, she finds a bone that is shaped like a key wrapped inside. She reads the paper.",

'c')

```
self.virus_dangers = Question('Why are viral infections dangerous? a. There are no vaccinations for viral infections. b. They can\'t be treated with antibiotics. c. People must come into direct contact to spread the infection.',
```

"She is led to the tunnel on the left. She cannot see anything and suddenly feels herself falling. She only falls a few feet, but she hit her foot funny when she landed and rolled her ankle.",

"Chloe moves down the tunnel to the right and comes to one last cave with moonlight shining through a hole in the roof. She can see 3 doors. This must be what the skeleton key is for.",

'b')

```
self.vaccination = Question('How do vaccinations work? a. They stop the virus from reproducing in human cells. b. They artificially stimulate antibodies against a disease. c. They kill the organism that has invaded the body.',
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"Chloe puts the key into the lock of the center door. It makes a terrible noise as she opens the door. Before she can even get a look around she hears a man come running toward her. He is wielding a dagger and moving quickly. She tries frantically to shut the door and barely gets it locked back in time to avoid the crazed, cloaked man.",

"Chloe inserts the key into the door on the left. The door creaks as she opens it. There is a stone table with a chest in the middle of the room. She runs over to the chest, but it is locked. She takes a chance and tries the key again. It doesn't work. She looks at the key and notices the other end looks like a skull. She turns the key around, and it works. Her eyes begin to glow as she opens the chest to find jewels and coins filling the chest. She reaches for a pendant only to find her hand moves through it. It's some kind of hologram. She reaches to the bottom of the chest to find a piece of paper. It's a letter. She reads: 'Only those worthy can survive the Labyrinth You have braved the trial and hazards and are alive, proving your worth. Here are your instructions:'",

'b')

```
def score(previously_entered_value):
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    grade = (previously_entered_value/4)*100
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    return grade
```

```
def main():
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instructions = 'Follow Chloe as she goes on an adventure. Help her choose which direction to go by correctly answering questions. If you are wrong, Chloe will have to turn around and go back. Then choose a new path. If you are successful, Chloe will complete the adventure and find the treasure.'

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print (instructions)
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```
choice("Would you like to proceed with the challenge? (y/n)",
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```
"We\'re sorry you cannot join us on an adventure!",
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"In the kitchen Chloe looks into the darkened walk-in pantry, and is startled by a faint movement toward the back. Quickly she lights up her phone just in time to watch a small dark creature scurry into the space between some boxes just a foot or two off the floor. After nudging the heavy boxes out of the way, she once again shines her phone into the opening. It turns to the left and she sees a ladder leading down. What on earth is this?", 'y')

```
choice("Should she keep going? (y/n)",
```

```
"We\'re sorry you cannot join us on an adventure!",
```

"Boredom and a desperate need for adventure win out and Chloe carefully lowers herself down the ladder only to be met with a short empty passage. A few steps and she sees another passage and another. Turn after turn, she continues until she arrives at a crossing, She shines her phone down each passage and hears a dripping sound coming from the passage to her left. Deciding to continue exploring she tries to find something to mark where she came from but there is nothing around. She licks her finger and marks the wall. They have a sheen of dust clinging to them, so she thinks the spit arrow will point her way back to the farmhouse. A few more turns and the passage opens into a small underground cave. A cool mist floats past her face cooling her hot cheeks from the stagnant tunnel air. She can't be too far below ground because she can see light from the moon piercing through openings in the ceiling of the chamber.", 'y')

```
print ("Using the moonlight to look around the small cave, Chloe decides to tuck her phone into her waistband and save the battery for the return trip. She can see several passages leading off into various directions. The light from the moon reflects off a pool of water lower down in the cavern so she picks her way over the rocks to reach it. The water is so clear that she is unsure of its depth. She drops in a pebble and watches as it seems to take forever to reach the bottom. The pebble finally comes to rest next to a rock with an unusual orange and green color. She shines her phone on it, but the light just reflects off the surface, temporarily blinding her. She slips her phone back into her waistband and peers closely at the rock. It is smoother than the others around it and appears to have marks on it. Carefully, Chloe moves to the left around the edge of the pool to look from different angles.")
```

```
new_line()
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```
print ("Reaching a large flat stone, she lays down on her stomach with her face almost touching the surface of the water. The moonbeams are shining directly on the flat surface of the stone and she can
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now read the words:'Choose your path WISELY'. "I have to choose a passageway," thinks Chloe. She stands up and dusts off her shirt. As she carefully walks the rest of the way around the pool, she looks down each passageway for some kind of clue as to which tunnel she should pick, but can't find any distinguishing features or markings to help make the decision.As she sits down on a large rock to figure out what to do, she does not notice her phone sliding out of her waistband until she hears it clatter between the rocks. Great! Imagining the prickle of cave spiders crawling up her hand, she reaches in and fumbles around until she touches the edge of it. She pinches the plastic between her fingers and pulls, but it is not her phone that appears.")

```
new_line()
```

print ("Instead she holds a small wooden box in her hand. It is long and flat and is covered with scratches and dirt She wonders who left it and how old it is. A rusty latch holds it closed, but there is no lock, so Chloe carefully lifts the lid. Inside she finds a tattered brown paper folded in half. It crackles as she unfolds it. She holds the paper up to the moonlight, but can't read the faded letters. Suddenly she remembers her phone and thrusts her hand between the rocks once more. Her skin crawls thinking about the spiders lurking in the crevices. Scraping her arm as she snatches it out, Chloe nearly drops the phone again in her hurry to turn on the flashlight app. With the light finally on, she peers at the pale writing and then sits in bewilderment. Why in the world does the paper say this?")

```
new_line()
```

```
instructions = ["Take this letter to the 1st National Bank", "The money in the associated account will be transfered in the amount requested to pay your tuition costs and living expenses for a post-secondary education", "Make arrangements to attend your school of choice", "Use this account as needed to fulfill your educational goals!"]
```

```
print (instructions)
```

```
new_line()
```

```
print ("Sincerely \nKeeper of the Labyrinth")
```

```
new_line()
```

```
b = Biology()
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```
total_tries = 0
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```
total_tries = total_tries + b.virus_definition.ask_a_question()
```

```
total_tries = total_tries + b.bacteria_uses.ask_a_question()
```

```
total_tries = total_tries + b.virus_dangers.ask_a_question()
```

```
total_tries = total_tries + b.vaccinations.ask_a_question()
```

```
print ('This took you', total_tries, 'total tries')
```

```
a = int(input("Let's figure out your grade. Tell me the number of answers you got right on the FIRST try."))
```

```
while True:
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    try:
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```
        new_score = score(a)
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```
        print (new_score)
```

```
        break
```

```
    except ValueError:
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```
        print ("Oops! That was not a number. Please try again...")
```

```
main()
```