Name:

1. (1 pt) Write a program that will print the name of your favorite food.
2. (1 pt) What does this program print?

x=15

#x=x+1

#x+1

print("x=",x)

1. (1 pt) What does this program print?

x=12

y=13

print("x+y", x+y)

1. (3 pts) Write a program that asks the user to type in their first name, then with a different statement ask the user for their last name and store it in a different variable. Last, print both the first and last name on the same line.
2. (1 pt) What does this print?

x=True

if x:

 print (*"AAA"*)

else:

 print (*"BBB"*)

1. (2 pts) Write a line of code that will take an original item price from the user.
\* The number should be stored as a float, not a string.
2. (2 pts) Continuing from the prior question, calculate the final price of the item if you add a 6% tax.
3. (2 pts) Continuing from the prior question, print the amount you calculated (original price + tax) along with a label (in dollars).
4. (3 pts) Next to each section, list the number that it prints out:

# Section 1

x=4

x=30-x/2

print(x)

# Section 2

x=5

x-=3

print (x)

# Section 3

x=50

print(x+1)

print(x+1)

# Section 4

x= 3 > 4

print(x)

if x:

 print("A")

else:

 print("B")

# Section 5

x=6

x+4

print(x+10)

# Section 6

print (11%2)

1. (2 pts) Write code that prints the first character of the string, and then the last character.

my\_text =*"1234567890"*

1. (2 pts) Cross out the variable names that are not legal in Python.

|  |  |
| --- | --- |
| ds92sttngVOYAGERthe\_voidpaleMoonlight | Darmok%city sizeengineamount$totalAmount |

1. (4 pts) Write a Python program that will ask the user for their percentage grade. Then print if it is an A ( ≥ 90), passing ( ≥ 60) or failing.
2. (1 pt) How do you know if you should create a “while” loop or a “for” loop?
3. (3 pts) What does this code print?

a = 6>5

b = 7<=6

c = 15!=15

d = 15==15

print (a,b,c,d)

if a and b:

 print ("X")

else:

 print ("O")

1. (2 pts) Write a for loop that will print the numbers from 1 to 50 (inclusive).
2. (3 pts) Write a “while” loop that counts by 5’s from 100 down to 0 (inclusive).
3. (2 pts) Write a program that will use two for loops to print out the following rectangle made of asterisks (\*):

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1. (2 pts) Explain how red = ( 255, 0, 0) represents a color.
2. (2 pts) Draw a picture that shows how computer coordinates relate to the screen.
3. (2 pts) Use a for loop to sum the items in this list:

list=[4,7,2,4,2,4,6]

1. (3 pts) Mark what is wrong with this code:

name=int(input("Enter username:"))

password=int(input("Enter password:"))

if name == craven or password == mypass:

 input("Access granted")

else

 input("Access denied.")