Python exercise

Q1, A bank must generate a report that shows the average balance for all customers each day. The report must truncate the decimal point portion of the balance, which two segments of code achieves the goal?

Each correct answer presents a complete solution (choose 2)

A	*print(int(purchase_value /total_sales))*
B	print(purchase_value //total_sales)
C	print(float(purchase_value //total_sales))
D	print(purchase_value**total_sales)

Q2, What is the expected output of the following code?
(Line numbers are only present in for reference purposes)

1 2 3	x,y,x = 25, 9, 13.8 print((x % y * 100)//5.0 ** 2.0 -y)
Output	
Comments/ explanation (Optional)	

Q3, What is the expected output of the following code?
(Line numbers are only present in for reference purposes)

1 2 3 4 5 6 7	a = "apples" b = "pairs" c = "pineapple" lunch= "{1} and {0} and {2} " print(lunch.format(a, b, c))
Output	
Comments/ explanation (Optional)	

Q4, What is the following statement do?
(choose 2)

```
1  name = input("please enter your name:")
```

A	*Creates a text box field.*
B	Prompts the user to enter their name into the console.
C	Displays a message box that prompts the user to enter the name.
D	Assigns the string to the variable name.

Q5, You are creating a program that accepts input from the user and outputs the data in a CSV format

You write the following code to accept input:

```
1  product = input ("Enter rhe item name ")
2  quantity = input ("Enter the quantity: ")
```

The output must meet the following requirements:

- *Enclose* product *in double quotes.*
- *Do not enclose* quantity *in quotes.*
- *Separate* product & quantity *by a comma.*

*Which **two** statements with achieve this:*

A	*print('"{0}",{1}'.format(product ,quantity))*
B	print('"'+product +'",'+quantity)
C	print(product+','+quantity)
D	print("{0},{1}".format(product ,quantity))

Q6, You need to add an explanation to your code so others will understand how it works. Which of the following should you use.

A	*comments should be placed within <!--...-->*
B	comments should start with the #
C	comments should be written after //
D	comments should be placed in between /*..*/

Q7, What is the expected output of the following code?

(Line numbers are only present in for reference purposes)

1 2	alphabet ="abcderghijklmopqrstuvwxyz" print(alphabet[4:14])
Output	
Comments/ explanation (Optional)	

Q8, What is the expected output of the following code?
(Line numbers are only present in for reference purposes)

1	print(type(+1E10))

A	*<class 'float'>*
B	<class 'int'>
C	<class 'srt'>
D	<class 'bool'>

Q9, What is the expected output of the following code?
(Line numbers are only present in for reference purposes)

1 2 3	z = 3 y = 7 x = y == z and y > z or z > y and z != y
Output	
Comments/ explanation (Optional)	

Q10, What is the expected output of the following code?
(Line numbers are only present in for reference purposes)

1 2	data = set([1, 2, 2, 3, 3, 3, 4, 4, 4, 4]) print(len(data))
Output	
Comments/ explanation (Optional)	

Q11, What is the expected output of the following code?
(Line numbers are only present in for reference purposes)

1 2	num = 2 + 3 * 5 print(Num)
Output	
Comments/ explanation (Optional)	

Q12, What is the expected output of the following code?
(Line numbers are only present in for reference purposes

1 2 3	x[::2] = 10, 20, 30, 40, 50, 60 print(x)
Output	
Comments/ explanation (Optional)	

Q13, What is the expected output of the following code?
(Line numbers are only present in for reference purposes

1 2 3 4 5	print(not 0) print(not 23) print(not '') print(not 'Peter') print(not None)
Output	
Comments/ explanation (Optional)	

Q1. Mad Libs is a word game where one player prompts another for a list of words to substitute for blanks in a story; these word substitutions have a funny effecy.

For example:

```
Give me a boy's name :Jonny
Give me a adjective :Big
Name a kind of job :Doggo Walk

**********
Once upon a time, there was a Big man named Jonny.
Jonny worked as a Doggo Walk by day but...by night..
```

Create your own MAD LIBS Application
Wright a python program that accept ten or so words; then embedded each of the words into a pre-written sentences:

Hint:

```
# Get Word
boy_name = input("Give me a boy's name :")

# Declare a string hold our sentences.
paragraph= ""

# Add sentence with Word  filling embedded
paragraph += f"Once upon a time, there was a {adjective}
man named { boy_name }."
```

Q2. Caesar Cipher, in cryptography, a Caesar cipher, is one of the simplest and most widely known encryption techniques. It is a type of substitution cipher in which each letter in the plaintext is replaced by a letter some fixed number of positions down the alphabet.

```
Enter the sentence you want to encoded :a stitch in time saves nine
Enter ROT Key :13
Cipher Text : n-vpu-v{-vzr-nr-{v{r
```

Create your own Caesar Cipher Application
Wright a python program that accepts a sentence and a key (the number of letters to advance by) as user input. Then output the new sentence as cipher text.

Hint:

```
# Get point code of character
print(chr(65))

# Get character of point code
print(ord('A'))
```

The code V4z-on□zn{. this with a key of 13

Q3. To Redact is to obscure or remove (text) from a document prior to publication or release.

```
Enter the sentence ::Bruce is batman
Enter you want to  redact ::Bruce
****   is  batman
```

Create your own Redactor Application
Wright a python program that accepts a sentence and a word to be redacted, printed the new sentence with the redacted word replaced by asterisks (*******)