Module 3: Python Input/Output

Input:

- To accept input from keyboard we can use input() function which returns string.
- To convert
  - String into integer we can use int()
  - String into float we can use float()

Output:

- To print the output or results Python provides print() function.
- print() will print the values and then the cursor goes to the next line.

Module 3: Python Input/Output Test

Q1) What is the output when following code is executed?

```
print("D")
print("C")
print("B")
print("A")
```

Options:

a) DCBA
b) A, B, C, D
c) D C B A
d) D, C, B, A will be displayed on four lines

Solution:

Q2) Select all options that print: **hello-how-are-you**

Options:

a) print('hello', 'how', 'are', 'you')
b) print('hello', 'how', 'are', 'you' + '-')
c) print('hello-' + 'how-are-you')
d) print('hello' + '-' + 'how' + '-' + 'are' + 'you')

Solution:

Q3) What function do you use to read a string?

Options:

a) input("Enter a string")
b) int("Enter a string")
c) enter("Enter a string")
d) string("Enter a string")

Solution:

Q4) You develop a Python application for your company. You need to accept input from the user and print that information to the user screen. You have started with the following code. Line numbers are included for reference only.

```
01 print("What is your name ?")
02
03 print(name)
```

Options:

A. name = input
B. input("name")
C. input(name)
D. name = input()

Solution:

Q5) The ABC company has hired you as an intern on the coding team that creates e-commerce applications. You must write a script that asks the user for a value. The value must be used as a whole number in calculation, even if the user enters a decimal number. You need to write the code to meet the requirements. Which code segment should you use?

Options:

A. totalItems = input("How many items would u like ?")
B. totalItems = float(input("How many items would u like ?"))
C. totalItems = str(input("How many items would u like ?"))
D. totalItems = int(input("How many items would u like ?"))

Solution:

Q6) you are an intern for ABC electric cars company. You must create a function that calculates the average velocity of their vehicles on a 1320 foot (1/4 mile) track. The output must be as precise as possible. How should you complete the code?

```
01. distance = _____ (input('enter distance travelled in feet '))
02. distance_miles = distance / 5280  # convert to miles.
03. time = _____ (input('enter time elapsed in seconds '))
04. time_hours = time / 3600  # convert to hours
05. velocity = distance_miles / time_hours
```

Options:

A. 01. float and 03. float
B. 01. str and 03. float
C. 01. int and 03. str
D. 01. str and 03. str

Solution: