



Name:

Grade / Section:

Date:

1st Semester 2022/ 2023

Important Notes:

- The print () function is used to get the output. This function is used to display the specified message or value in the console.
- All commands must be in small letter.
- Variable name must
 - a) start with a letter or the underscore character
 - b) Be one word only - no space
 - c) no special characters like (+-\$@/...)
 - d) underscore and letters are allowed
- Variable names are case-sensitive (age, Age and AGE are three different variables)
- Data types:
 - a) Text is stored as **string** data type.
 - b) Whole numbers are stored as **integer** data type.
 - c) Numbers with decimal point are stored as **float** data type.

Question #1: Write a code to do the following:

a- Create an empty list called **Teamlist**

```
Teamlist=[ ]
```

b- Colorlist = ["red","green","blue"]

add a new color "orange" **to the end** of the list

```
colorlist.append("orange")
```

c- Colorlist = ["red","green","blue"]

print the colorlist

```
print(Colorlist)
```

d- Teamlist = []

get a name from the user

```
Team=input("enter name")
```

```
Teamlist.append(Team)
```

e- Trees = ["oak", "beech", "willow"]

change "beech" to "pine".

```
Trees[1]="pine"
```

f- Goals = ["pass exam", "help in shop", "buy trainers"]

Print the first element

```
print(Goals[0])
```

g- Goals = ["pass exam", "help in shop", "buy trainers"]

Delete the second element

```
del(Goals[1])
```

h- Goals = ["pass exam", "help in shop", "buy trainers"]

Delete element (help in shop) **use the command remove**

```
Goals.remove("Help in shop" ) Goals = ["pass exam", "help in  
shop", "buy trainers"]
```

```
Goals [4] = "buy a car"
```

This causes an error. Explain why?

Out of range / out of bounds

Question #2: What is the meaning of the following symbols

!=	<u>Not equal</u>
==	<u>Equal</u>
#	<u>Comments</u>
\n	<u>New line</u>

Question #3: What is the output of the following:

<u>1</u>	<pre>Jordan=["amman", "Madaba", "Aqaba"] print(len(Jordan))</pre>	<u>3</u>
<u>2</u>	<pre>Jordan=["amman, Madaba, Aqaba"] print(len(Jordan))</pre>	<u>1</u>
<u>3</u>	<pre>Jordan=["amman", "Madaba", "Aqaba"] print(len("Jordan"))</pre>	<u>6</u>
<u>4</u>	<pre>Jordan=["amman", "Madaba", "Aqaba"] print(Jordan)</pre>	<u>['Amman', 'Madaba', 'Aqaba']</u>
<u>5</u>	<pre>Jordan=["amman", "Madaba", "Aqaba"] print("Jordan")</pre>	<u>jordan</u>
<u>6</u>	<pre>Jordan=["amman", "Madaba", "Aqaba"] Jordan.append("Karak") print(Jordan)</pre>	<u>['Amman', 'Madaba', 'Aqaba', 'Karak']</u>
<u>7</u>	<pre>Jordan=["amman", "Madaba", "Aqaba"] del(Jordan[1]) print(Jordan)</pre>	<u>['Amman', 'Aqaba']</u>
<u>8</u>	<pre>Jordan=["amman", "Madaba", "Aqaba"] Jordan[2]="Karak" print(Jordan)</pre>	<u>['Amman', 'Madaba', 'karak']</u>

9-

```
fruit=["orange","Apple","Kiwi"]  
fruit.sort()  
print(fruit)
```

['apple', 'kiwi', 'orange']