Exercise-4:

1) Choose the correct Answer:

[1]
```
num="4"+"2"
value=int(num)+6
print(float(value)
```
a) 12.0 **b) 48.0** **c) 42.6** **d) 48**

[2]
```
Signal="Green"
if Signal=="Red":
        print("Stop!!!")
elif Signal=="Yellow":
        print("Wait!")
else:
        print("Goooo")
```
a) Stop!!! **b)** Goooo **c)** Wait! **d)** Error

[3]
```
a, b="19","3"
c=a+b
print(b, c)
```
a) 3, 22 **b)** 193 **c)** 12 **d)** Error

[4]
```
h="2"
X="4"
Result=int(h)/int(X)
print(Result)
```
a) 52 **b)** 2.1 **c)** 2.22222 **d)** 0.5

[5]
```
num=12
if num <25:
        print("Real")
else:
        print("Fake")
```
a) 12 **b)** Real **c)** 25 **d)** Fake

2) a Python code to check if a number is divisible by **3 and 5.**

3) Write a Python code to check if a number is divisible by **3 or 5.**

4) Write python code to check a number, **positive** or **zero** or **negative**. If the number is positive: check if it is even or not.

Even: divisible by 2

Hint: use nested if statement

5) Write a Python program to check if a given number is even using user defined function named Is_Even

6) Write Python program to asks the user for his name and greets him with his name only for the users Alice and Bob .

7) Write a Python program to Write a program that asks the user for a number n and prints the sum of the numbers 1 to n

8) Ask the user to enter today's temperature (**T**). Then print "**very hot**" if **T>30**, print "**hot**" if **25<T<=30,** print "**warm**" if **20<=T<=25**, print "**cold**" if **10<T<20**, print "**very cold**" if **0<T<=10,** print "**ice**" if **T<=0.**

9) Write Python program to ask the user for a number n and prints the sum of the numbers 1 to n such that only multiplies of three or five are considered in the sum, e.g. 3,5,6,9,10,12,15 for n=17

10) Write a Python program to check if a given number is prime.