

#Part A: Variables & Data types

#Question # 01:

#Create a variable and store your name in it. Print the variable.

#Answer:

Code

```
my_name = "Marwa Faqir"
```

```
Print(my_name)
```

#Question # 02:

#Create two variables age and height. Print both values?

#Answer:

Code

Define variables

```
Age =21
```

```
height= 6
```

Print the values

```
Print("Age:" , age)
```

```
Print("height:" , height)
```

#Question # 3:

#Store a number in a variable and print its data type using type()

Define a variable with a number

```
Num = 78
```

print the data type of the variable

```
Print(type(num))
```



#Question # 4:

#Create a variable is_student and store True in it. Print the values?

#Answer:

Coding

Is_student = True

Print(is_student)

#Question # 5:

#Take one number from the user and store it in a variable. Print the number?

#Answer:

Coding

Get input from the user

num = input("Enter a number:")

print the number

Print(num)

#Part B: Operators and conditional stament

#Question # 6

#Take two numbers from the user and print their sum?

#Answer:

Coding

Get two numbers from the user

num1 = int("Enter first number:")

num2 = int("Enter second number:")

Calculate the sum

Sum = num1 + num2

print the result



print the result

```
Print("The sum of " , num1, "and" ,  
num2, "is: " , sum)
```

#Question # 7:

#Take two numbers and check
which one is greater using if?

Answer:

Coding

input two numbers

```
num1 = float(input("Enter first  
number:"))
```

```
num2 = float(input("Enter second  
number:"))
```

Comparison using if-else

If num1 > num2

```
Print(f"{num1} is greater than  
{num2}")
```

else num2>num1

```
print(f"{num2} is greater than  
{num1}")
```

#Question # 8:

#Take one number and check
whether it is even or odd?

#Answer:

Coding

```
Def check_even_odd(num):
```

```
num = int(input("Enter a number:"))
```

If num % 2== 0:

```
Print(f"{num} is even")
```

```
else :  
    print(f"{num} is odd")
```

#Question # 9:

#Take marks as an input and print
pass if marks are 50 or above fail
otherwise?

#Answer:

Code

```
marks = int(input("Enter your  
marks:"))
```

```
if marks >= 50
```

```
    print("pass")
```

```
else
```

```
    print("fail")
```

#Question # 10:

#Take a number and check: whether
it is less than 10, equal to 10 or
greater than 10?

#Answer:

```
num = int(input("Enter a number:"))
```

```
if num < 10:
```

```
    print("Less than 10")
```

```
else if num == 10:
```

```
    print("Equal to 10")
```

```
else:
```

```
    print("Greater than 10")
```

#Project: To check the positive or
negative number

#Project: To check the positive or negative number

#Question:

#Take a number from the user and check whether it is positive or negative.

#Answer:

Code

```
num = int(input("Enter a number:"))
```

```
if num >=0:
```

```
    print("Postive number")
```

```
else
```

```
    print("Negative number")
```