

Assigmmment 2

28th September, 2021

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In [30]:

```
a = 100
b = 29
Sum = a + b
Sum = Sum * 3
result = Sum * Sum
print("The result of the calculation was:")
print(" ",result)
```

The result of the calculation was:
149769

In [33]:

```
name = str(input("Name: "))
birth = str(input("Year of birth: "))
age = int(input("Age: "))
password =birth[2:] + name[:3] + str(age * age)
print("Password:",password)
```

Name: john
Year of birth: 1995
Age: 26
Password: 95joh676

In [41]:

```
a = int(input("First number: "))
b = int(input("Second number: "))
if a % 2 == 0 and b % 2 == 0:
    print("Both numbers are even")
elif a % 2 != 0 and b % 2 != 0:
    print("Both numbers are odd")
else:
    print("One of the number is even")
```

First number: 5
Second number: 6
One of the number is even

In [59]:

```
a = int(input("Give an integer: "))
sum = 0
for b in range(0, a, 1):
    sum += b
print("The sum was:",sum)
```

Give an integer: 6
The sum was: 15

In [9]:

```
a = random.randint(0, 10)
b = 15
c = 0
while (b != a):
    b = int(input("Player: "))
    c += 1
    if(a != b):
        if(a > b):
            print("Try a greater number.")
        else:
            print("Try a smaller number.")
    if(a == b):
        print("That's right! Number of tries:", c)
```

Player: 4
Try a greater number.
Player: 5
Try a greater number.
Player: 6
Try a greater number.
Player: 7
Try a greater number.
Player: 8
Try a greater number.
Player: 9
That's right! Number of tries: 6

In [16]:

```
a = random.randint(0, 10)
b = 15
c = 0
while (b != a):
    b = int(input("Player1: "))
    c += 1
    if(a != b):
        if(a > b):
            print("Try a greater number.")
        else:
            print("Try a smaller number.")
    if(a == b):
        print("That's right! Number of tries:", c)
print("")
print("")
m = random.randint(0, 10)
n = 15
q = 0
while (n != m):
    n = int(input("Player2: "))
    q += 1
    if(m != n):
        if(m > n):
            print("Try a greater number.")
        else:
            print("Try a smaller number.")
    if(m == n):
        print("That's right! Number of tries:", q)
if(c < q):
    print("")
    print("Winer is Player1")
elif (c > q):
    print("")
    print("Winner is Player2")
```

Player1: 7
Try a smaller number.
Player1: 4
Try a greater number.
Player1: 6
That's right! Number of tries: 3

Player2: 5
Try a greater number.
Player2: 7
Try a greater number.
Player2: 9
Try a greater number.
Player2: 10
That's right! Number of tries: 4

Winer is Player1