

Assignment 2

February 19, 2023

```
[9]: Number_1 = 100
      Number_2 = 26
      SumResult = Number_1 + Number_2
      print("Sum is: " + str(SumResult))

      Sum_Multi = SumResult * 3
      print("Mul is: " + str(Sum_Multi))
      EXPo = SumResult**2
      print("The Result of the calculation was: \n \t"+str(EXPo))
```

```
Sum is: 126
Mul is: 378
The Result of the calculation was:
      15876
```

```
[3]: Name = str(input("Name: "))
      Birth_Year = int(input("Year of birth: "))
      Age = int(input("Age: "))
      Last_YearNumber = str(Birth_Year)[-2:]
      First_3_name = Name[:3]
      PowerOfAge = str(Age**2)
      Password = Last_YearNumber+First_3_name+PowerOfAge
      print("Password: "+Password)
```

```
Name: Shahid
Year of birth: 2001
Age: 22
Password: 01Sha484
```

```
[9]: First_number = int(input("First number: "))
      Second_number = int(input("Second number: "))
      first_modulo = First_number % 2
      second_modulo = Second_number % 2
      if((first_modulo == 0) and (second_modulo == 0)):
          print("Both numbers are even")
      elif((first_modulo == 0) or (second_modulo == 0)):
          print("One of the number is even")
      else:
          print("Both the number are odd")
```

First number: 6
Second number: 7
One of the number is even

```
[16]: n = int(input("Given an integer: "))
my_sum = 0
i=0
#replace this pass (a do-nothing) statement with your code
while i < n:
    my_sum = my_sum + i
    i+=1
print("The sum was: "+str(my_sum))
```

Given an integer: 6
The sum was: 15

```
[30]: import random

num = random.randint(1, 10)
user_1_num = int(input("Player 1 \n Guess the Number: "))
counter_1 = 1
while num != user_1_num:
    if(num < user_1_num):
        user_1_num = int(input("Player 1 \n Try a smaller number: "))
        counter_1+=1
    else:
        user_1_num = int(input("Player 1 \n Try a greater number: "))
        counter_1+=1

print("Player 1 \n That's right! Number of tries: "+ str(counter_1))

num_2 = random.randint(1, 10)
user_2_num = int(input("Player 2 \n Guess the Number: "))
counter_2 = 1
while num_2 != user_2_num:
    if(num_2 < user_2_num):
        user_2_num = int(input("Player 2 \n Try a smaller number: "))
        counter_2+=1
    else:
        user_2_num = int(input("Player 2 \n Try a greater number: "))
        counter_2+=1

print("Player 2 \n That's right! Number of tries: "+ str(counter_2))

if(counter_1 > counter_2):
    print("Winer is player 2")
```

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else:  
    print("Winer is player 1")
```

```
Player 1  
    Guess the Number: 9  
Player 1  
    That's right! Number of tries: 1  
Player 2  
    Guess the Number: 8  
Player 2  
    Try a greater number: 9  
Player 2  
    Try a greater number: 10  
Player 2  
    That's right! Number of tries: 3  
Winer is player 1
```

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[ ]:
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