

Assignment 2

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In [2]: ### Exercise 1
a = int(input("Enter first number (a): "))
b = int(input("Enter second number (b): "))
c = ((a+b)*3)
print('The sum of (a+b)x3 =',c)
print('The result of the calculation was:')
print (c**2)
```

```
Enter first number (a): 100
Enter second number (b): 29
The sum of (a+b)x3 = 387
The result of the calculation was:
149769
```

```
In [3]: ### Exercise 2
N = input('Name: ' )
n = str(N)
#print(n)
YOB = int(input('Year of birth: '))
yob = str(YOB)
#print(yob)
A = int(input('Age: '))
AA = str(A**2)
#print(AA)
print ('Password: ', yob[2]+yob[3]+n[0:3]+AA)
```

```
Name: John
Year of birth: 1995
Age: 26
Password: 95Joh676
```

```
In [4]: ### Exercise 3
P = int(input("Enter first number (P): "))
Q = int(input("Enter second number (Q): "))
if P%2 == 0 and Q%2 == 0:
    print('Both numbers are odd')
elif P%2!=0 and Q%2!=0:
    print('Both numbers are even')
else:
    print ('One of the numbers is even')
```

```
Enter first number (P): 5
Enter second number (Q): 6
One of the numbers is even
```

```
In [5]: ### Exercise 4
sum = 0
num = int(input("Give an integer: "))
for i in range(num):
    sum += i
    print('The sum was: ')
    print(sum)
```

```
Give an integer: 5
The sum was:
0
The sum was:
1
The sum was:
3
The sum was:
6
The sum was:
10
```

```
In [6]: ### Excercise 5
import random
x = random.randint(1,10)
a = -1
count = 0

while(a != x):
    a = int(input('Player:'))
    count = count+1
    if a == x:
        print ('That is right! Number of tries', count)
    else:
        if a < x:
            print ('Try a greater number.')
        else:
            print ('Try a smaller number.')
```

```
Player:2
Try a greater number.
Player:7
Try a greater number.
Player:8
That is right! Number of tries 3
```

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In [ ]:
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