ASSIGNMENT-1 [21107018]

```
# QUESTION 1
print("enter first number: ")
num1 = int(input())
print("enter second number: ")
num2 = int(input())
print("enter thirdnumber: ")
num3 = int(input())
avg= (num1+num2+num3)/3
print("the average of three numbers: \n", avg)
print("\n\n")
```

```
enter first number:
50
enter second number:
40
enter thirdnumber:
30
the average of three numbers:
 40.0
```

```
#QUESTION 2
print("enter your gross income: ")
gross_income= int(input())
print("enter your dependants: ")
dependants= int(input())
taxable_income= gross_income-10000-(3000*dependants)
print("Your taxable income will be: \n", taxable_income)
print("your tax is: ", taxable_income*20/100, "\t(taxable income: ", taxable_income, ")")
print("\n\n")
```

```
enter your gross income:
300000
enter your dependants:
3
Your taxable income will be:
 281000
your tax is:  56200.0   (taxable income:  281000 )
```

```
# QUESTION NO.3
print ("This program ask's the user for thenumber of seconds and prints out how many minutes and seconds that is equal to")
print("Enter the number of seconds you want to convert:")
var1=int(input())
print("This is equal to :")
print(var1//60, "Minutes", var1%60," Seconds")
print("\n\n")
```

```
This program ask's the user for thenumber of seconds and prints out how many minutes and seconds that is equal to
Enter the number of seconds you want to convert:
200
This is equal to :
3 Minutes 20  Seconds
```

```
# QUESTION NO.4
print(str( 25 + int('25') + int(25.0) ))
```

```
75
```

```
#QUESTION 5
import math as mt
for angle in range(0,360, 15):
    rad = mt.radians(angle)
    print(angle, '---', round(mt.sin(rad),4), round(mt.cos(rad),4))
```

```
0 --- 0.0 1.0
15 --- 0.2588 0.9659
30 --- 0.5 0.866
45 --- 0.7071 0.7071
60 --- 0.866 0.5
75 --- 0.9659 0.2588
90 --- 1.0 0.0
105 --- 0.9659 -0.2588
120 --- 0.866 -0.5
135 --- 0.7071 -0.7071
150 --- 0.5 -0.866
165 --- 0.2588 -0.9659
180 --- 0.0 -1.0
195 --- -0.2588 -0.9659
210 --- -0.5 -0.866
225 --- -0.7071 -0.7071
240 --- -0.866 -0.5
255 --- -0.9659 -0.2588
270 --- -1.0 -0.0
285 --- -0.9659 0.2588
300 --- -0.866 0.5
315 --- -0.7071 0.7071
330 --- -0.5 0.866
345 --- -0.2588 0.9659
```