

Question 1)

```
main.py
1 a= int(input ("enter first no"))
2 b= int( input("enter second no"))
3 c= int( input("enter third no"))
4 average= (a+b+c)/3
5 print ("average", average)

enter first no)45
enter second no)20
enter third no)25
t average 30.0
```

Question 2)

```
main.py
1 income=int(input("what is your gross income? "))
2 size= int(input("what is your family size? "))
3 taxableincome= income - 10000 - (size*3000)
4
5 tax= taxableincome/5
6 print("income tax" , tax)

input
what is your gross income? 30000
what is your family size? 3
income tax 2200.0

...Program finished with exit code 0
```

Question 3)

```
main.py
1 totaltime=int(input("enter the no. of seconds : "))
2 mins=totaltime//60
3 secs=totaltime%60
4 print( totaltime , "converted to=" , mins , "minutes and" , secs , "seconds")

input
enter the no. of seconds : 450
450 converted to= 7 minutes and 30 seconds

...Program finished with exit code 0
Press ENTER to exit console.
```

Question 4)

```
Python 3.10 (64-bit)
4)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> print(25+int('25')+int(25.0))
75
>>>
```

Question 5)

main.py	Run	Shell
1 import math as math		angle:0sin:0.0cos:1.0
2 angle=0		angle:15sin:0.2588cos:0.9659
3 while angle<360:		angle:30sin:0.5cos:0.866
4 rad=angle*math.pi/180		angle:45sin:0.7071cos:0.7071
5 print('angle:'+str(angle)+'sin:'+		angle:60sin:0.866cos:0.5
6 str(round(math.sin(rad),4))+'cos:'+		angle:75sin:0.9659cos:0.2588
7 str(round(math.cos(rad),4)))		angle:90sin:1.0cos:0.0
8 angle+=15		angle:105sin:0.9659cos:-0.2588
		angle:120sin:0.866cos:-0.5
		angle:135sin:0.7071cos:-0.7071
		angle:150sin:0.5cos:-0.866
		angle:165sin:0.2588cos:-0.9659
		angle:180sin:0.0cos:-1.0
		angle:195sin:-0.2588cos:-0.9659
		angle:210sin:-0.5cos:-0.866
		angle:225sin:-0.7071cos:-0.7071
		angle:240sin:-0.866cos:-0.5
		angle:255sin:-0.9659cos:-0.2588