Q1 Code and output

```
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)
```

Python Interpreter

```
5
enter second number:
5
enter thirdnumber:
5
the average of three numbers:
 5.0
>>>
```

Q2 code and output

```
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, ")")
```

Python Interpreter

```
enter your gross income:
20000
enter your dependants:
1000
Your taxable income will be:
 -2990000
your tax is:  -598000.0     (taxable income:  -2990000 )
>>>
```

Q3 code and output

```
# Code to input the number the seconds
seconds = int(input("Enter the number of seconds to be converted: "))

# Code to calculate and print number of seconds and minutes
minutes = seconds // 60
remaining_seconds = seconds % 60
print("Minutes :" , minutes)
print("Seconds :" , remaining_seconds)
```

```
Enter the number of seconds to be converted: 450
Minutes : 7
Seconds : 30
```

Q4 code and output

```
print(str(25 + int('25') + int(25.0)))
```

```
75
```

Q5 code and output

```
import math
a = 0
while a <= 345 :
    sin_a = math.sin(math.radians(a))
    cos_a = math.cos(math.radians(a))
    print(str(a) + " --- " + str(round(sin_a , 4)) + " " + str(round(cos_a , 4)))
    a += 15
```

```
*** Remote Interpreter Reinitialized ***
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
```