

Assignment Work 1-Computing

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Ans 1: `print("Enter three numbers")`

`x=int(input("Enter first number"))`

`y=int(input("Enter second number"))`

`z=int(input("Enter third number"))`

`s=(x+y+z)/3`

`print("Average of 3 numbers is: ",s)`

```
Enter three numbers
Enter first number12
Enter second number34
Enter third number56
Average of 3 numbers is: 34.0
```

Ans 2:

`n1=int(input("Enter the gross income:"))`

`n2=int(input("Enter the number of dependents:"))`

`tax_rate=0.20`

`standard_deduction=10000`

`dependent_deduction=3000`

`taxable_income=n1-standard_deduction-dependent_deduction*n2`

`tax=taxable_income*tax_rate`

`print("The tax is:", tax)`

```
----- RESTART: C:\Users\pc\Di
Enter Gross Income in dollars50000
Enter no of dependents12
Tax you have to pay is: 800.0
```

Ans 3:

`a= int(input("enter time in seconds: "))`

```
n=a//60
n1=a%60
print("time in minutes is",n,"minutes" ,n1, "seconds")

enter time in seconds: 988
time in minutes is 16 minutes 28 seconds
```

Ans 4: a=25

b='25'

c=25.0

```
print(str(a+int(b)+c))
```

```
input()
```

```
75.0
```

Ans 5: from math import pi,sin,cos

deg=0

y=0

z=0

```
for deg in range(0,346,15):
```

```
    rad= deg*(pi/180)
```

```
    y=round(sin(rad),4)
```

```
    z=round(cos(rad),4)
```

```
print("sin",deg,"=",y,"and cos",deg,"=",z)
```

```

sin 0 = 0.0 and cos 0 = 1.0
sin 15 = 0.2598 and cos 15 = 0.9659
sin 30 = 0.5 and cos 30 = 0.866
sin 45 = 0.7071 and cos 45 = 0.7071
sin 60 = 0.866 and cos 60 = 0.5
sin 75 = 0.9659 and cos 75 = 0.2588
sin 90 = 1.0 and cos 90 = 0.0
sin 105 = 0.9659 and cos 105 = -0.2588
sin 120 = 0.866 and cos 120 = -0.5
sin 135 = 0.7071 and cos 135 = -0.7071
sin 150 = 0.5 and cos 150 = -0.866
sin 165 = 0.2588 and cos 165 = -0.9659
sin 180 = 0.0 and cos 180 = -1.0
sin 195 = -0.2588 and cos 195 = -0.9659
sin 210 = -0.5 and cos 210 = -0.866
sin 225 = -0.7071 and cos 225 = -0.7071
sin 240 = -0.866 and cos 240 = -0.5
sin 255 = -0.9659 and cos 255 = -0.2588
sin 270 = -1.0 and cos 270 = 0.0
sin 285 = -0.9659 and cos 285 = 0.2588
sin 300 = -0.866 and cos 300 = 0.5
sin 315 = -0.7071 and cos 315 = 0.7071
sin 330 = -0.5 and cos 330 = 0.866
sin 345 = -0.2588 and cos 345 = 0.9659

```