In [2]:
```
from demo import AssignmentClass
```

In [3]:
```
obj=AssignmentClass
```

In [4]:
```
obj.primenumcheck()
```

```
Enter any number:37
37 is a prime number
```

In [5]:
```
obj.Area()
```

```
side=12
Area formula=side*side
Area of square: 144
```

In [7]:
```
obj.Perimeter()
```

```
Perimeter formula=4*side
Perimter of square: 48
```

In [8]:
```
obj.SimpleLinear()
```

```
weight=15
input:5
Bias value=1
Formula:output=weight*input+Bias value
simple linear: 76
```

In [9]:
```
obj.AgeCalculator()
```

```
Birth year=1993
Present year=2022
Formula= Present year - Birth year
Present Age: 29
```

In [10]:
```
obj.CourseList()
```

```
Course list:
python
Machine Learning
Data science
Deep Learning
NLP
Time series analysis
```

In [11]:
```
obj.AreaofR()
obj.PerimeterofR()
```

```
Length=12
Breadth=18
Area formula: Length*Breadth
Area of rectangle: 216
length=9
Breadth=15
Perimeter of rectangle: 48
```

In [12]:
```
obj.NumberSwap()
```

```
a=67
b=45
after swapping
a= 45
b= 67
```

In [14]:
```
obj.SIcalculator()
```

```
Principal amount=5000
rate of interest=5
Time period=12
simple interest formula: (P*R*T)/100
Simple interest: 3000.0
```

In [15]:
```
obj.TotalaverageMarks()
```

```
Mark1=78
Mark2=89
Mark3=90
Total: 257
Average: 85
```

In [16]:
```
obj.carModels()
```

```
Car model Names:
Maruti Alto
Maruti Dzire
Maruti creta
Maruti swift
```

In [ ]:
```

```