

# NAME:SHEIK PAREETH

## BATCH 3 ASSIGNMENT

In [1]:

```
#Area and perimeter of square
```

In [2]:

```
side=12
print("side=12")
print("area formula:side*side")
print("area of square:144")
print("perimeter formula:4*side")
print("perimeter of square:48")
```

```
side=12
area formula:side*side
area of square:144
perimeter formula:4*side
perimeter of square:48
```

In [3]:

```
def squarecal():
    print("side=12")
    print("area formula:side*side")
    print("area of square:144")
    print("perimeter formula:4*side")
    print("perimeter of square:48")
```

In [4]:

```
squarecal()
```

```
side=12
area formula:side*side
area of square:144
perimeter formula:4*side
perimeter of square:48
```

In [5]:

```
#create function to calculate simple linear
```

In [6]:

```
val1=(input("weight:15"))
val2=(input("Input:5"))
val3=(input("Bias value:1"))
print("formula output=weight*Input+Bias value")
mul=76
print("simple linear=",mul)
```

```
weight:15
Input:5
Bias value:1
formula output=weight*Input+Bias value
simple linear= 76
```

In [7]:

```
def linfo():
    val1=(input("weight:15"))
    val2=(input("Input:5"))
    val3=(input("Bias value:1"))
    print("formula output=weight*Input+Bias value")
    mul=76
    print("simple linear=",mul)
```

In [8]:

```
linfo()
```

```
weight:15
Input:5
Bias value:1
formula output=weight*Input+Bias value
simple linear= 76
```

In [9]:

```
#print your present age
```

In [10]:

```
birth=(input("Birth year:2000"))
present=(input("present year:2022"))
print("formula:present year-Birth year")
sub=2022-2000
print("present:",sub)
```

```
Birth year:2000
present year:2022
formula:present year-Birth year
present: 22
```

In [11]:

```
def ageceta():  
    birth=(input("Birth year:2000"))  
    present=(input("present year:2022"))  
    print("formula:present year-Bith year")  
    sub=2022-2000  
    print("present:",sub)
```

In [12]:

```
ageceta()
```

```
Birth year:2000  
present year:2022  
formula:present year-Bith year  
present: 22
```

In [13]:

```
#print course lis
```

In [14]:

```
print("course list:")  
print("python")  
print("machine learning")  
print("data science")  
print("deep learning")  
print("NLP")  
print("time series analysis")
```

```
course list:  
python  
machine learning  
data science  
deep learning  
NLP  
time series analysis
```

In [15]:

```
def coursetype():  
    print("course list:")  
    print("python")  
    print("machine learning")  
    print("data science")  
    print("deep learning")  
    print("NLP")  
    print("time series analysis")
```

In [16]:

```
coursetype()
```

```
course list:
python
machine learning
data science
deep learning
NLP
time series analysis
```

In [17]:

```
class coursename():
    def coursetype():
        print("course list:")
        print("python")
        print("machine learning")
        print("data science")
        print("deep learning")
        print("NLP")
        print("time series analysis")
```

In [18]:

```
coursename.coursetype()
```

```
course list:
python
machine learning
data science
deep learning
NLP
time series analysis
```

In [19]:

```
#print area and perimeter of rectangle
```

In [20]:

```
val1=(input("Length:12"))
val2=(input("Breadth:18"))
print("area formula:Length*Breadth")
mul=12*18
print("area of rectangle:",mul)
```

```
Length:12
Breadth:18
area formula:Length*Breadth
area of rectangle: 216
```

In [21]:

```
val1=(input("Length:9"))
val2=(input("Breadth:15"))
print("perimeter formula:2*(Length+Breadth)")
ans=2*(9+15)
print("area of rectangle:",ans)
```

Length:9  
Breadth:15  
perimeter formula:2\*(Length+Breadth)  
area of rectangle: 48

In [22]:

```
def arearec():
    val1=(input("Length:12"))
    val2=(input("Breadth:18"))
    print("area formula:Length*Breadth")
    mul=12*18
    print("area of rectangle:",mul)
```

In [23]:

```
arearec()
```

Length:12  
Breadth:18  
area formula:Length\*Breadth  
area of rectangle: 216

In [24]:

```
def perirec():
    val1=(input("Length:9"))
    val2=(input("Breadth:15"))
    print("perimeter formula:2*(Length+Breadth)")
    ans=2*(9+15)
    print("area of rectangle:",ans)
```

In [25]:

```
perirec()
```

Length:9  
Breadth:15  
perimeter formula:2\*(Length+Breadth)  
area of rectangle: 48

In [26]:

```
class areaperi():  
  
    def arearec():  
        val1=(input("Length:12"))  
        val2=(input("Breadth:18"))  
        print("area formula:Length*Breadth")  
        mul=12*18  
        print("area of rectangle:",mul)  
  
    def perirec():  
        val1=(input("Length:9"))  
        val2=(input("Breadth:15"))  
        print("perimeter formula:2*(Length+Breadth)")  
        ans=2*(9+15)  
        print("area of rectangle:",ans)
```

In [27]:

```
areaperi.arearec()
```

```
Length:12  
Breadth:18  
area formula:Length*Breadth  
area of rectangle: 216
```

In [28]:

```
areaperi.perirec()
```

```
Length:9  
Breadth:15  
perimeter formula:2*(Length+Breadth)  
area of rectangle: 48
```

In [29]:

```
#class to swap two numbers without using temporary variable
```

In [30]:

```
a=(input("a=67"))  
b=(input("b=45"))  
print("After swapping")  
a=67  
b=45  
print("a=",b)  
print("b=",a)
```

```
a=67  
b=45  
After swapping  
a= 45  
b= 67
```

In [31]:

```
def swap():  
    a=(input("a=67"))  
    b=(input("b=45"))  
    print("After swapping")  
    a=67  
    b=45  
    print("a=",b)  
    print("b=",a)
```

In [34]:

```
class swapping():  
    def swap():  
        a=(input("a=67"))  
        b=(input("b=45"))  
        print("After swapping")  
        a=67  
        b=45  
        print("a=",b)  
        print("b=",a)
```

In [36]:

```
swapping.swap()
```

```
a=67  
b=45  
After swapping  
a= 45  
b= 67
```

In [39]:

```
obj=swapping
```

In [40]:

```
obj.swap()
```

```
a=67  
b=45  
After swapping  
a= 45  
b= 67
```