

In [3]:

```
1 class car:
2
3     def __init__(self,c,m):
4         self.company = c
5         self.model = m
6
7     def start_engine(self):
8         print(f"We are testing {self.company} with {self.model} model....starting")
9
10
```

In [5]:

```
1 car1 = car("Honda", "Aura")
2
3 print("Name of company : ",car1.company)
4 print("Name of modelc: ",car1.model)
5
6 car1.start_engine()
```

Name of company : Honda

Name of modelc: Aura

We are testing Honda with Aura model....starting

In [9]:

```
1  class student:
2      def __init__(self,Id,n,m,p,a,acti,s):
3          self.Id = Id
4          self.name = n
5          self.marks = m
6          self.phone = p
7          self.address = a
8          self.activity = acti
9          self.sports = s
10
11     def drawing_activity(self):
12         print(f"{self.name} participated in {self.activity} drawing exam")
13
14     def sports_activity(self):
15         print(f"{self.name} participated in {self.sports} sports")
16
```

```
In [25]: 1 s1 = student(11,"Trupti",98,9856,"Pune","elementry","Cricket")
2 print(f"student name is : {s1.name} \nid is: {s1.Id} \nMarks is: {s1.marks} \nAddress is: {s1.address} \n")
3 s1.drawing_activity()
4 s1.sports_activity()
5 print()
6
7 s2 = student(12,"Neha",89,9876,"Nashik","elementry","Hockey")
8 print(f"student name is : {s2.name} \nid is: {s2.Id} \nMarks is: {s2.marks} \nAddress is: {s2.address} \n")
9 s2.drawing_activity()
10 s2.sports_activity()
11 print()
12
13 s3 = student(13,"Aarti",79,6876,"Pune","elementry","Basketball")
14 print(f"student name is : {s3.name} \nid is: {s3.Id} \nMarks is: {s3.marks} \nAddress is: {s3.address} \n")
15 s3.drawing_activity()
16 s3.sports_activity()
17 print()
18
19 s4 = student(14,"Arjun",89,9876,"Kolhapur","elementry","Cricket")
20 print(f"student name is : {s4.name} \nid is: {s4.Id} \nMarks is: {s4.marks} \nAddress is: {s4.address} \n")
21 s4.drawing_activity()
22 s4.sports_activity()
23 print()
24
25 s5 = student(15,"Aarohi",59,9876,"Mumbai","elementry","Swimming")
26 print(f"student name is : {s5.name} \nid is: {s5.Id} \nMarks is: {s5.marks} \nAddress is: {s5.address} \n")
27 s5.drawing_activity()
28 s5.sports_activity()
29
```

student name is : Trupti  
id is: 11  
Marks is: 98  
Address is: Pune  
Participated in Cricket sports  
Trupti participated in elementary drawing exam  
Trupti participated in Cricket sports

student name is : Neha  
id is: 12  
Marks is: 89  
Address is: Nashik  
Participated in Hockey  
Neha participated in elementary drawing exam  
Neha participated in Hockey sports

student name is : Aarti  
id is: 13  
Marks is: 79  
Address is: Pune  
Participated in Basketball  
Aarti participated in elementary drawing exam  
Aarti participated in Basketball sports

student name is : Arjun  
id is: 14  
Marks is: 89  
Address is: Kolhapur  
Participated in Cricket  
Arjun participated in elementary drawing exam  
Arjun participated in Cricket sports

student name is : Aarohi  
id is: 15  
Marks is: 59  
Address is: Mumbai  
Participated in Swimming  
Aarohi participated in elementary drawing exam  
Aarohi participated in Swimming sports

In [ ]:

1