```
 1
 2 #Program to show hybrid inheritance
 3 class  TokyoOlympics:
 4     def about(self):
 5         print("The Olympic Games is a quadrennial
   international multi-sport event celebrated as a
   global sports festival by people all over the world.
   The Olympic Games are held in both the summer and
   winter, with the ultimate goal of cultivating people
   and world peace through sports")
 6         return
 7
 8 class TeamIndia(TokyoOlympics):
 9     def athletes(self):
10         print("Total 127 Indian athletes Men and
   Women are in Tokyo Olympic Games from India in
   various games. Out of that many are male candidates
   and left are female candidates who will be in Tokyo
   Olympics. 67 Indian Athletes are male and 52
   participants are females. Olympics Games Tokyo 2021
   India Players had reported and started participating
   in Olympics.")
11         return
12
13 class Sports(TeamIndia):
14     name=0
15     def __init__(self, name):
16         self.name = name
17
18     def Sports_dis(self, name):
19         name = self.name
20         if name=="Mirabai":
21             print("Weightlifting")
22         elif name=="Lovlina":
23             print("Boxing")
24         elif name=="PV Sindhu":
25             print("Badminton")
26         elif name=="Ravi Kumar Dahiya" or name="
   Bajrang Punia":
27             print("Wrestling")
28         elif name=="Hockey Team":
29             print("Hockey")
30         elif name=="Bajrang Punia":
31             print("Wrestling")
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32          elif name=="Neeraj Chopra":
33              print("Javelin Throw")
34          else:
35              print("Invalid name")
36          return
37
38  class Gender(Sports):
39      name=0
40      def __init__(self, name):
41          self.name = name
42
43      def Gen_dis(self, name):
44          name = self.name
45          if name == "Mirabai" or name == "Lovlina" or
        name == "PV Sindhu":
46              print("Female")
47          elif name == "Ravi Kumar Dahiya" or name == "
    Bajrang Punia" or name == "Hockey Team" or name == "
    Neeraj Chopra":
48              print("Male")
49          else:
50              print("Invalid name")
51          return
52
53  class WeightCategory(Sports):
54      name=0
55      def __init__(self, name):
56          self.name = name
57
58      def Wt_dis(self, name):
59          name = self.name
60          if name == "Mirabai":
61              print("49 KG Category")
62          elif name == "Ravi Kumar Dahiya":
63              print("57 KG Category")
64          elif name == "Bajrang Punia":
65              print("65 KG Category")
66          else:
67              print("Weight Category not applicable")
68          return
69
70  class Medals(Gender,WeightCategory):
71      name=0
72      def __init__(self,name):
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 73          self.name=name
 74
 75      def Med_dis(self,name):
 76          name=self.name
 77          if name=="Mirabai" or name=="Ravi Kumar
    Dahiya":
 78              print("Silver Medal")
 79          elif name=="Lovlina" or name=="Bajrang Punia
    " or name=="Hockey Team" or name=="PV Sindhu":
 80              print("Bronze Medal")
 81          elif name=="Neeraj Chopra":
 82              print("Gold Medal")
 83          else:
 84              print("Invalid name ")
 85          return
 86
 87 a1=Medals("Mirabai")
 88 a1.about()
 89 a1.athletes()
 90 a1.Sports_dis("Mirabai")
 91 a1.Wt_dis("Mirabai")
 92 a1.Gen_dis("Mirabai")
 93 a1.Med_dis("Mirabai")
 94 print("\n")
 95
 96 a2=WeightCategory("PV Sindhu")
 97 a2.about()
 98 a2.athletes()
 99 a2.Sports_dis("PV Sindhu")
100 a2.Wt_dis("PV Sindhu")
101
102 print("\n")
103 a3=Gender("Neeraj Chopra")
104 a3.about()
105 a3.athletes()
106 a3.Sports_dis("Neeraj Chopra")
107 a3.Gen_dis("Neeraj Chopra")
108
109 print("\n")
110 a4=Gender("Bajrang Punia")
111 a4.about()
112 a4.athletes()
113 a4.Sports_dis("Bajrang Punia")
114
```