```java
1 //Package
2 ==========================
3 program 1
4 //  compiling and executin package program in java
5 package com.imcc.mca.java;
6 class Test
7 {
8     public static void main(String[] args)
9     {
10         System.out.println("Hello first package program ");
11     }
12 }
13 class A
14 {
15 }
16 class B
17 {
18 }
19 compile syntax :
```

```
20   2023-24\SEM-I\JAVA\DIVB>javac -d . Test_Package.java
21
22   Execution syntax :
23   D:\AY 2023-24\SEM-I\JAVA\DIVB>java com.imcc.mca.java.Test
24  Hello first package program
25
26  ====================================================
27  Program 2
28  // Student class in com.imcc.mca.divb package
29  package com.imcc.mca.divb;
30  public class Student
31  {
32      String name;
33      int rno;
34      public void m1()
35      {
36          rno = 102;
37          name = "Ajay";
38          System.out.println("Name : "+name+"rno: "+rno);
```

```
39        }
40 }
41 // accessing student class methods from Teacher class of diffe
42 package com.imcc.mca.faculty;
43 import com.imcc.mca.divb.Student;
44 class Teacher
45 {
46     public static void main(String[] args)
47     {
48         Student s = new Student() ;
49         s.m1();
50
51     }
52 }
53
54 D:\AY 2023-24\SEM-I\JAVA\DIVB>java com.imcc.mca.faculty.Teache
55 Name : Ajayrno: 102
56 =================================================================
57 Program 3
```

```java
58  // constructors , variables and methods of one pacakge accessi
59  //other pacakge
60  package com.imcc.mca.divb;
61  public class Student
62  {
63      String name;
64      int rno;
65      public Student (String name, int rno)
66      {
67          this.name = name;
68          this.rno=rno;
69      }
70      public void show()
71      {
72          System.out.println("Name : "+name+"rno: "+rno);
73      }
74  }
75  package com.imcc.mca.faculty;
76  import com.imcc.mca.divb.Student;
```

```
77  class Teacher
78  {
79      public static void main(String[] args)
80      {
81          Student s = new Student("Vijay" , 200) ;
82          s.show();
83
84      }
85  }
86
87  D:\AY 2023-24\SEM-I\JAVA\DIVB>javac -d . Student.java
88
89  D:\AY 2023-24\SEM-I\JAVA\DIVB>javac -d . Teacher.java
90
91  D:\AY 2023-24\SEM-I\JAVA\DIVB>java com.imcc.mca.faculty.Teacher
92  Name : Vijayrno: 200
93
94  ================================================================
95  Program 4
```

```java
 96 // Normal import accessing static as well as non static variab
 97 package com.imcc.student;
 98 public class Student
 99 {
100
101      public static int rno=101;
102      public String name="Shiva";
103     /*public Student(int rno, String name)
104     {
105         this.rno= rno;
106         this.name=name;
107     }*/
108
109     public void m1()
110     {
111         System.out.println("Rno : "+Student.rno+" Name: "+name
112     }
113
114 }
```

```java
115 package com.imcc.teacher;
116 import com.imcc.student.Student;
117 class Teacher
118 {
119     public static void main(String[] args)
120     {
121         Student s = new Student();
122         s.m1();
123         System.out.println("Rno : "+Student.rno+" Name: "+s.nam
124     }
125 }
126 D:\AY 2023-24\SEM-I\JAVA\DIVA>javac -d . Student.java
127
128 D:\AY 2023-24\SEM-I\JAVA\DIVA>javac -d . Teacher.java
129
130 D:\AY 2023-24\SEM-I\JAVA\DIVA>java com.imcc.teacher.Teacher
131 Rno : 101 Name: Shiva
132 Rno : 101 Name: Shiva
133
```

```java
134 ================================================================
135 Program 5:
136 // static import which access only static variables
137 package com.imcc.student;
138 public class Student
139 {
140
141      public static int rno=101;
142      public String name="Shrinivas";
143    /*public Student(int rno, String name)
144    {
145         this.rno= rno;
146         this.name=name;
147    }*/
148
149    public void m1()
150    {
151         System.out.println("Rno : "+Student.rno+" Name: "+name
152    }
```

```
153
154 }
155 package com.imcc.teacher;
156 import com.imcc.student.Student;
157 import static com.imcc.student.Student.*;
158 class Teacher
159 {
160     public static void main(String[] args)
161     {
162         Student s = new Student();
163         s.m1();
164         System.out.println("Rno : "+rno+" Name: "+s.name);
165     }
166 }
167
168 D:\AY 2023-24\SEM-I\JAVA\DIVA>javac -d . Student.java
169
170 D:\AY 2023-24\SEM-I\JAVA\DIVA>javac -d . Teacher.java
171
```

```
172 D:\AY 2023-24\SEM-I\JAVA\DIVA>java com.imcc.teacher.Teacher
173 Rno : 101 Name: Shrinivas
174 Rno : 101 Name: Shrinivas
175
176
```