Day 12 part 2

Using switch statements examples programs:

A

File Edit View

```
package pack1;
class A
{
 public static void main(String[] arg)
 {
  int i=10;
  switch(i)
  {
   case 2 :
     System.out.println("from case 2");
     System.out.println("from case 2");

   case 4 :
     System.out.println("from case 4");
     System.out.println("from case 4");

   case 10 :
     System.out.println("from case 10");
     System.out.println("from case 10");
   }
 }
}c
```

Command Prompt

```
Microsoft Windows [Version 10.0.22621.2134]
(c) Microsoft Corporation. All rights reserved.

C:\Users\HP>cd..

C:\Users>F:

F:\>cd intern

F:\intern>cd src

F:\intern\src>javac -d ../class pack1/A.java

F:\intern\src>cd..

F:\intern>cd class

F:\intern\class>java pack1.A
from case 10
from case 10

F:\intern\class>
```

B

File Edit View

```
package pack1;
class B
{
 public static void main(String[] arg)
 {
  int i=4;
  switch(i)
  {
   case 2 :
     System.out.println("from case 2");
     System.out.println("from case 2");

   case 4 :
     System.out.println("from case 4");
     System.out.println("from case 4");

   case 10 :
     System.out.println("from case 10");
     System.out.println("from case 10");
   }
 }
}
```

Command Prompt

```
F:\intern\src>javac -d ../class pack1/B.java

F:\intern\src>cd..

F:\intern>cd class

F:\intern\class>java pack1.B
from case 4
from case 4
from case 10
from case 10

F:\intern\class>
```

C

File Edit View

```
package pack1;
class  C
{
 public static void main(String[] arg)
 {
  int i=4;
  switch(i)
  {
   case 2 :
     System.out.println("from case 2");
     System.out.println("from case 2");
     break;

   case 4 :
     System.out.println("from case 4");
     System.out.println("from case 4");
     break;

   case 10 :
     System.out.println("from case 10");
     System.out.println("from case 10");
   }
 }
}
```

Command Prompt

```
F:\intern\class>cd..

F:\intern>cd src

F:\intern\src>javac -d ../class pack1/C.java

F:\intern\src>cd..

F:\intern>cd class

F:\intern\class>java pack1.C
from case 4
from case 4

F:\intern\class>
```

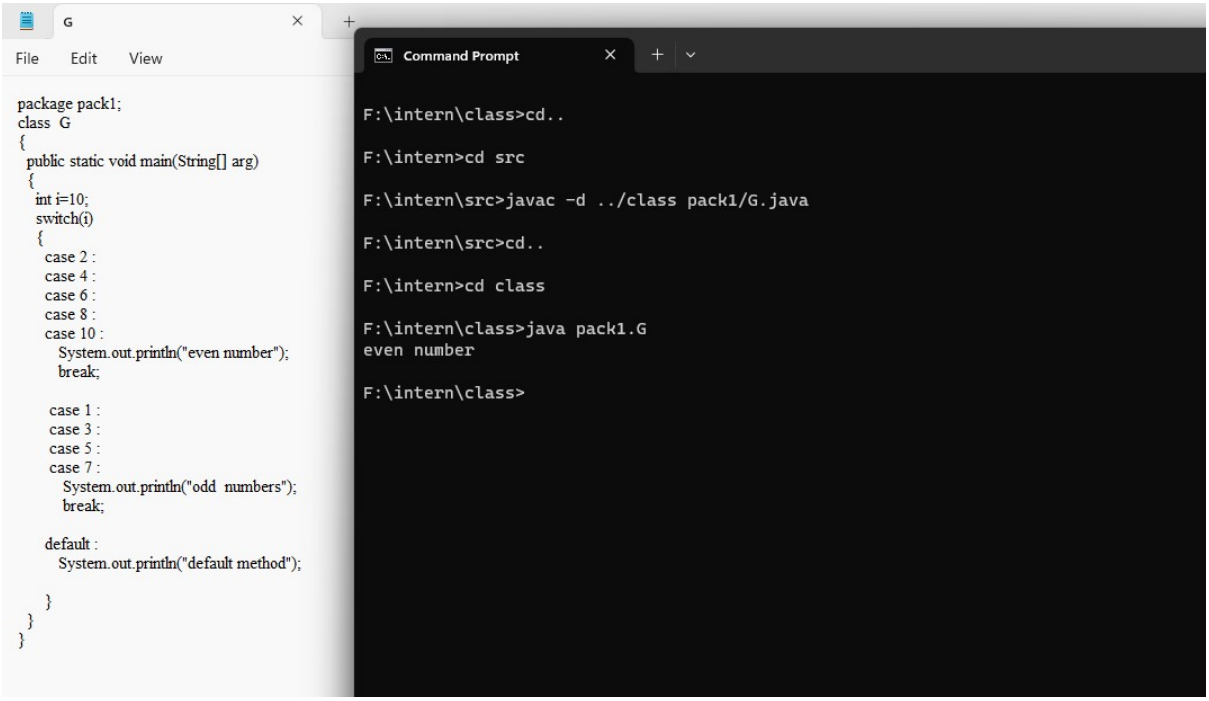
E

File Edit View

```
package pack1;
class  E
{
 public static void main(String[] arg)
 {
  int i=12;
  switch(i)
  {
   case 2 :
     System.out.println("from case 2");
     System.out.println("from case 2");
     break;

   case 4 :
     System.out.println("from case 4");
     System.out.println("from case 4");
     break;

   case 10 :
     System.out.println("from case 10");
     System.out.println("from case 10");

   default :
     System.out.println("default method");
     System.out.println("default method");

  }
 }
}
```

Command Prompt

```
F:\intern\class>cd..

F:\intern>cd src

F:\intern\src>javac -d ../class pack1/E.java

F:\intern\src>cd..

F:\intern>cd class

F:\intern\class>java pack1.E
default method
default method

F:\intern\class>
```



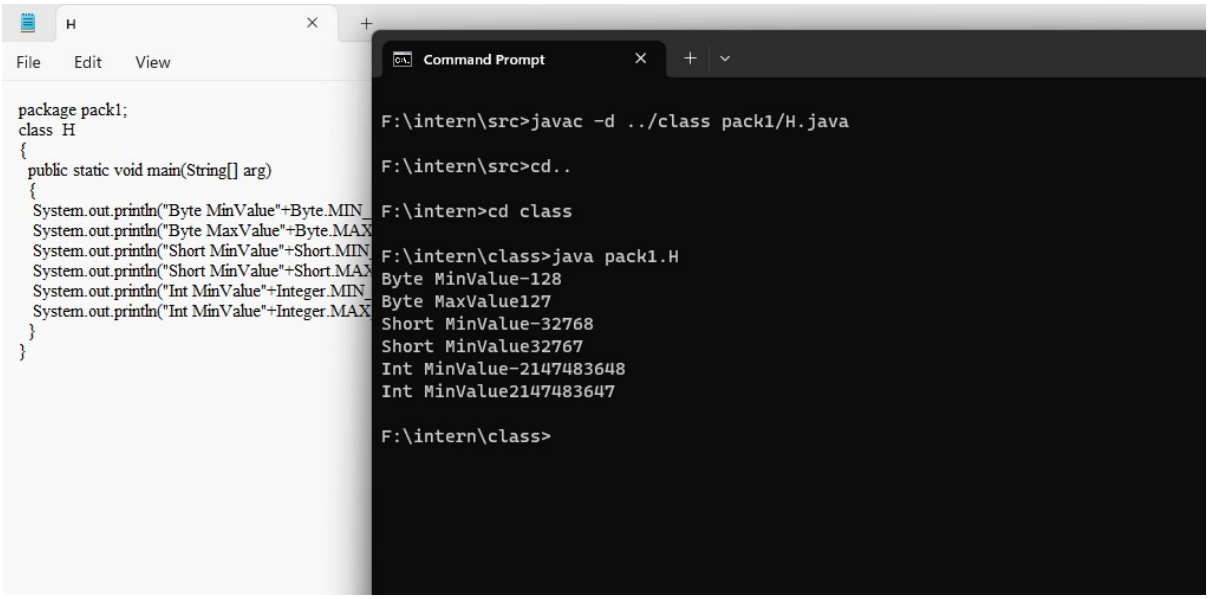
G

File Edit View

```
package pack1;
class  G
{
 public static void main(String[] arg)
 {
  int i=10;
  switch(i)
  {
    case 2 :
    case 4 :
    case 6 :
    case 8 :
    case 10 :
      System.out.println("even number");
      break;

     case 1 :
     case 3 :
     case 5 :
     case 7 :
       System.out.println("odd  numbers");
       break;

    default :
      System.out.println("default method");

  }
 }
}
```

Command Prompt

```
F:\intern\class>cd..

F:\intern>cd src

F:\intern\src>javac -d ../class pack1/G.java

F:\intern\src>cd..

F:\intern>cd class

F:\intern\class>java pack1.G
even number

F:\intern\class>
```



H

File Edit View

```
package pack1;
class  H
{
 public static void main(String[] arg)
 {
  System.out.println("Byte MinValue"+Byte.MIN_
  System.out.println("Byte MaxValue"+Byte.MAX
  System.out.println("Short MinValue"+Short.MIN
  System.out.println("Short MinValue"+Short.MAX
  System.out.println("Int MinValue"+Integer.MIN_
  System.out.println("Int MinValue"+Integer.MAX
 }
}
```

Command Prompt

```
F:\intern\src>javac -d ../class pack1/H.java

F:\intern\src>cd..

F:\intern>cd class

F:\intern\class>java pack1.H
Byte MinValue-128
Byte MaxValue127
Short MinValue-32768
Short MinValue32767
Int MinValue-2147483648
Int MinValue2147483647

F:\intern\class>
```

K

File Edit View

```
package pack1;
class  K
{
 public static void main(String[] arg)
 {
  char i='a';
  char j='b';
  char k='A';
  char l='B';
  System.out.println("i="+ (int) i);
  System.out.println("j="+ (int) j);
  System.out.println("k="+ (int) k);
  System.out.println("l="+ (int)  l);
 }
}
```

Command Prompt

```
F:\intern\src>javac -d ../class pack1/K.java

F:\intern\src>cd..

F:\intern>cd class

F:\intern\class>java pack1.K
i=97
j=98
k=65
l=66

F:\intern\class>
```

L

File Edit View

```
package pack1;
class  L
{
 public static void main(String[] arg)
 {
  int i= 'a';
  int j= 'b';
  int k= 'A';
  int l= 'B';
  System.out.println(i);
  System.out.println(j);
  System.out.println(k);
  System.out.println(l);
 }
}
```

Command Prompt

```
F:\intern\class>cd..

F:\intern>cd src

F:\intern\src>javac -d ../class pack1/L.java

F:\intern\src>cd ..

F:\intern>cd class

F:\intern\class>java pack1.L
97
98
65
66

F:\intern\class>
```

M

File Edit View

```
package pack1;
class  M
{
 public static void main(String[] arg)
 {
  System.out.println("Character Min value:" + (int) Character.MIN_VALUE);
  System.out.println("Character Max value:" + (int) Character.MAX_VALUE);
  System.out.println("Integer Min value:" + Integer.MIN_VALUE);
  System.out.println("Integer Max value:" + Integer.MAX_VALUE);
 }
}
```

Command Prompt

```
F:\intern\src>javac -d ../class pack1/M.java

F:\intern\src>cd..

F:\intern>cd class

F:\intern\class>java pack1.M
Character Min value:0
Character Max value:65535
Integer Min value:-2147483648
Integer Max value:2147483647

F:\intern\class>
```

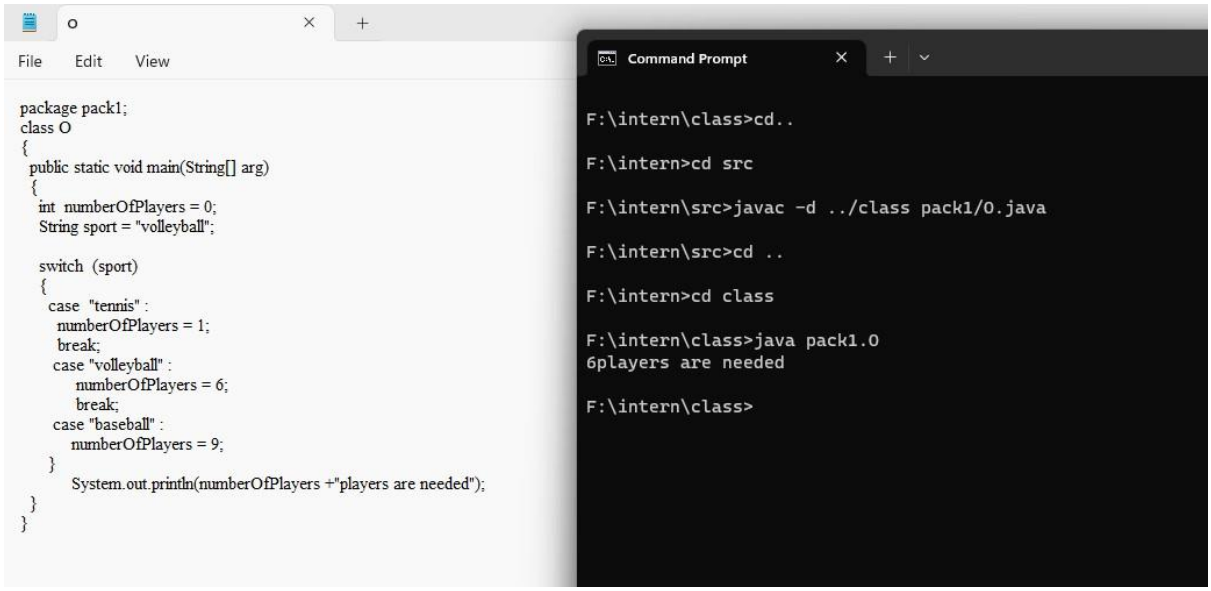
N

File Edit View

```
package pack1;
class  N
{
 public static void main(String[] arg)
 {
  char i='p';
  switch( i )
  {
   case 'a' :
    System.out.println("from case A");
    break;
   case 'b' :
       System.out.println("from case B");
       break;
   case 'c' :
     System.out.println("from case C");
   default:
      System.out.println("default method");
  }
 }
}
```

Command Prompt

```
F:\intern\class>cd..

F:\intern>cd src

F:\intern\src>javac -d ../class pack1/N.java

F:\intern\src>cd..

F:\intern>cd class

F:\intern\class>java pack1.N
default method

F:\intern\class>
```


o
File
Edit
View
package pack1;
class O
{
public static void main(String[] arg)
{
int numberOfPlayers = 0;
String sport = "volleyball";
switch (sport)
{
case "tennis" :
numberOfPlayers = 1;
break;
case "volleyball" :
numberOfPlayers = 6;
break;
case "baseball" :
numberOfPlayers = 9;
}
System.out.println(numberOfPlayers +"players are needed");
}
}
Command Prompt
F:\intern\class>cd..
F:\intern>cd src
F:\intern\src>javac -d ../class pack1/O.java
F:\intern\src>cd ..
F:\intern>cd class
F:\intern\class>java pack1.O
6players are needed
F:\intern\class>