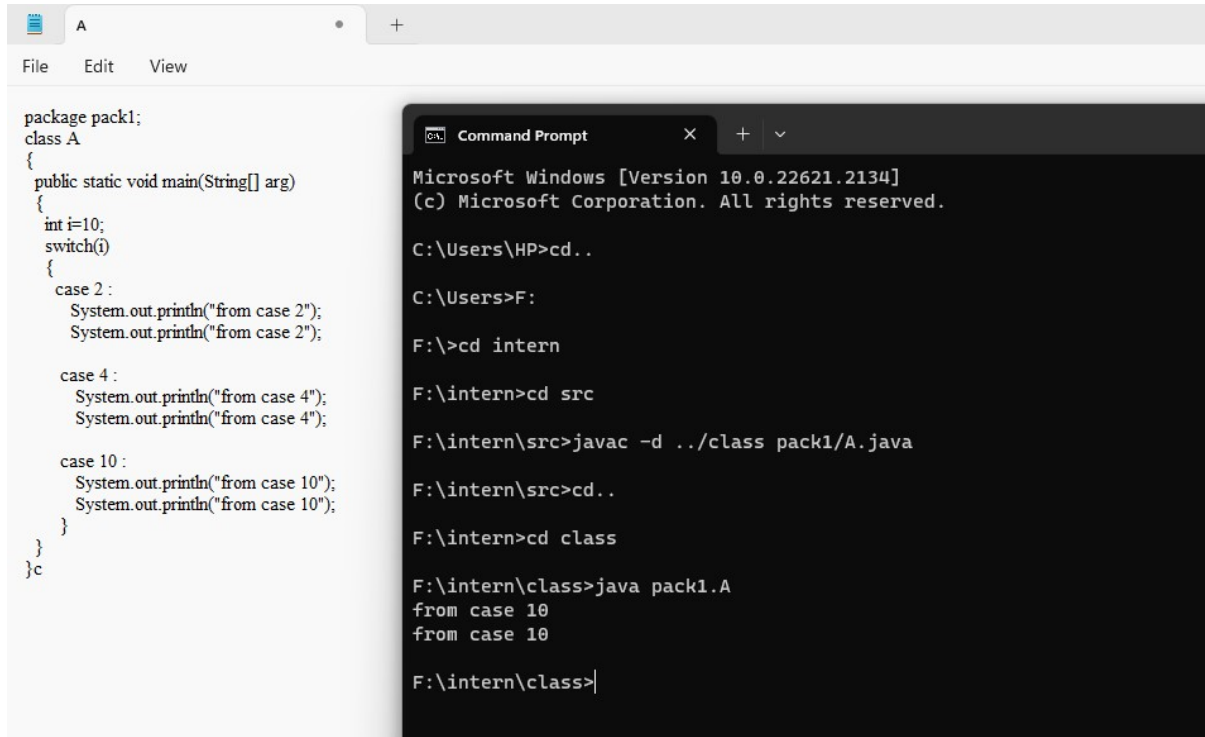


Day 12 part 2

Using switch statements examples programs:



The screenshot shows a Java IDE with a file named 'A'. The code defines a package 'pack1' and a class 'A' with a 'main' method. Inside the 'main' method, an integer 'i' is set to 10, and a switch statement is used to print 'from case 2' for case 2, 'from case 4' for case 4, and 'from case 10' for case 10. The Command Prompt shows the following steps: navigating to the directory 'F:\intern\src', compiling the code with 'javac -d ../class pack1/A.java', moving to 'F:\intern\class', and running the program with 'java pack1.A'. The output shows 'from case 10' printed twice.

```
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
```

```
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

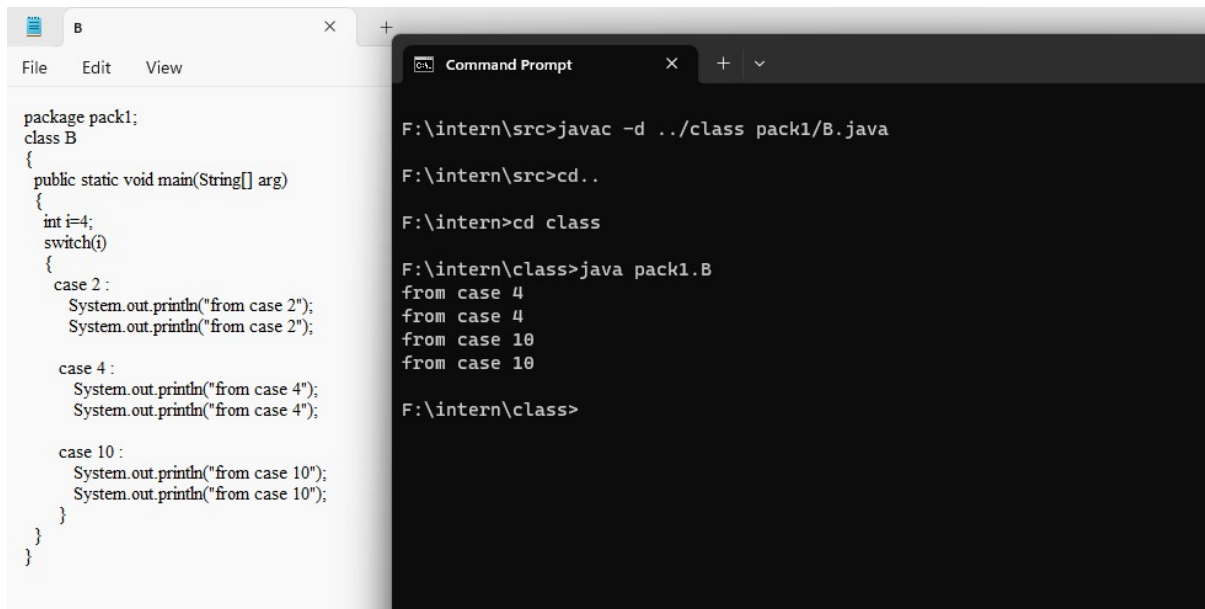
F:\intern\src>javac -d ../class pack1/A.java

F:\intern\src>cd..

F:\intern>cd class

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

F:\intern\class>
```



The screenshot shows a Java IDE with a file named 'B'. The code defines a package 'pack1' and a class 'B' with a 'main' method. Inside the 'main' method, an integer 'i' is set to 4, and a switch statement is used to print 'from case 2' for case 2, 'from case 4' for case 4, and 'from case 10' for case 10. The Command Prompt shows the following steps: navigating to the directory 'F:\intern\src', compiling the code with 'javac -d ../class pack1/B.java', moving to 'F:\intern\class', and running the program with 'java pack1.B'. The output shows 'from case 4' printed twice, followed by 'from case 10' printed twice.

```
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");
        }
    }
}
}
```

```
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>
```

```
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>
```

```
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

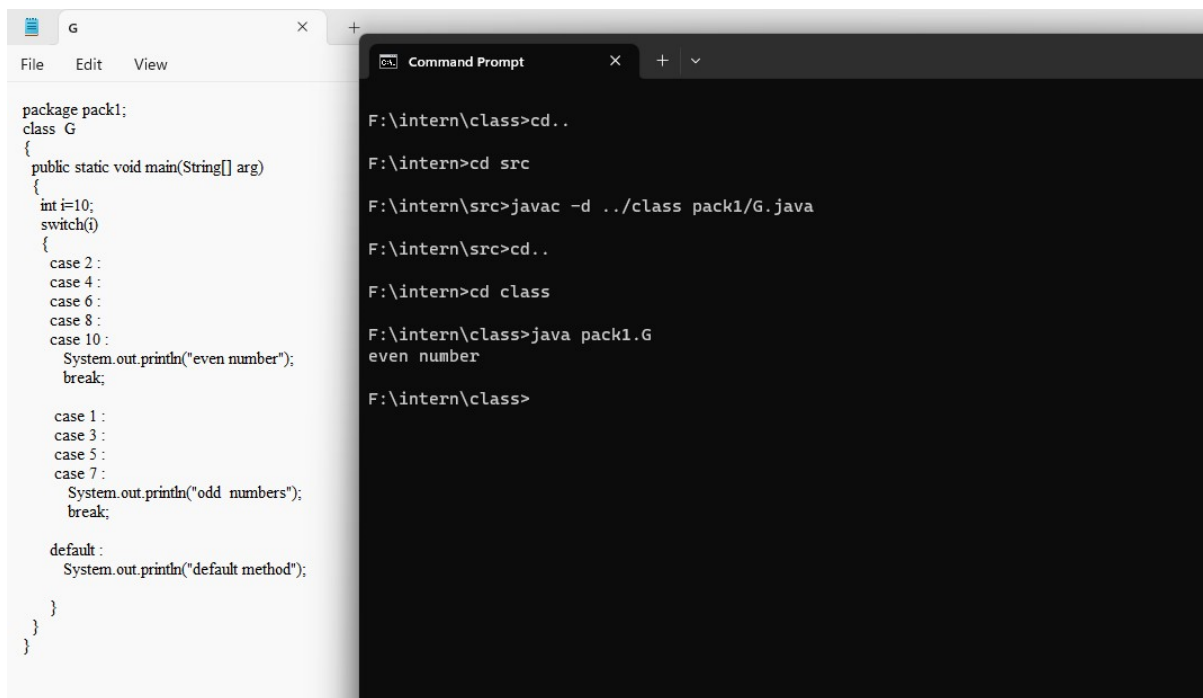
F:\intern\src>javac -d ../class pack1/E.java

F:\intern\src>cd..

F:\intern>cd class

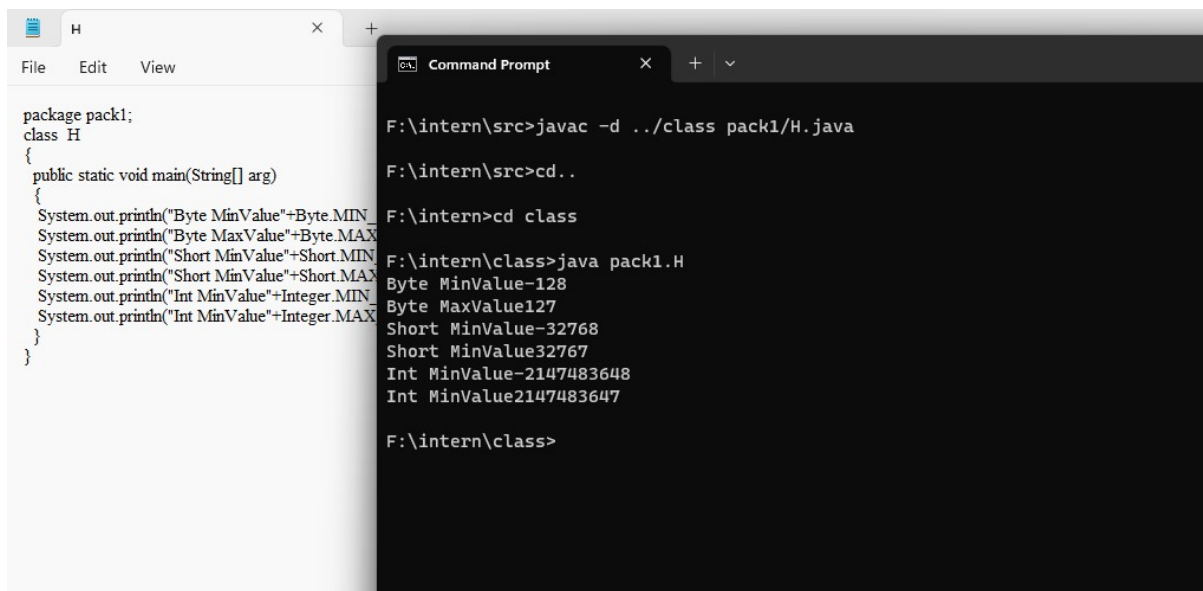
F:\intern\class>java pack1.E
default method
default method

F:\intern\class>
```



The screenshot shows an IDE with a file named `G` open. The code is a Java class `G` in package `pack1` with a `main` method that uses a `switch` statement to print "even number" for even values of `i` and "odd numbers" for odd values of `i`. To the right, a Command Prompt window shows the following commands and output:

```
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>
```



The screenshot shows an IDE with a file named `H` open. The code is a Java class `H` in package `pack1` with a `main` method that prints the minimum and maximum values for `Byte`, `Short`, and `Integer`. To the right, a Command Prompt window shows the following commands and output:

```
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

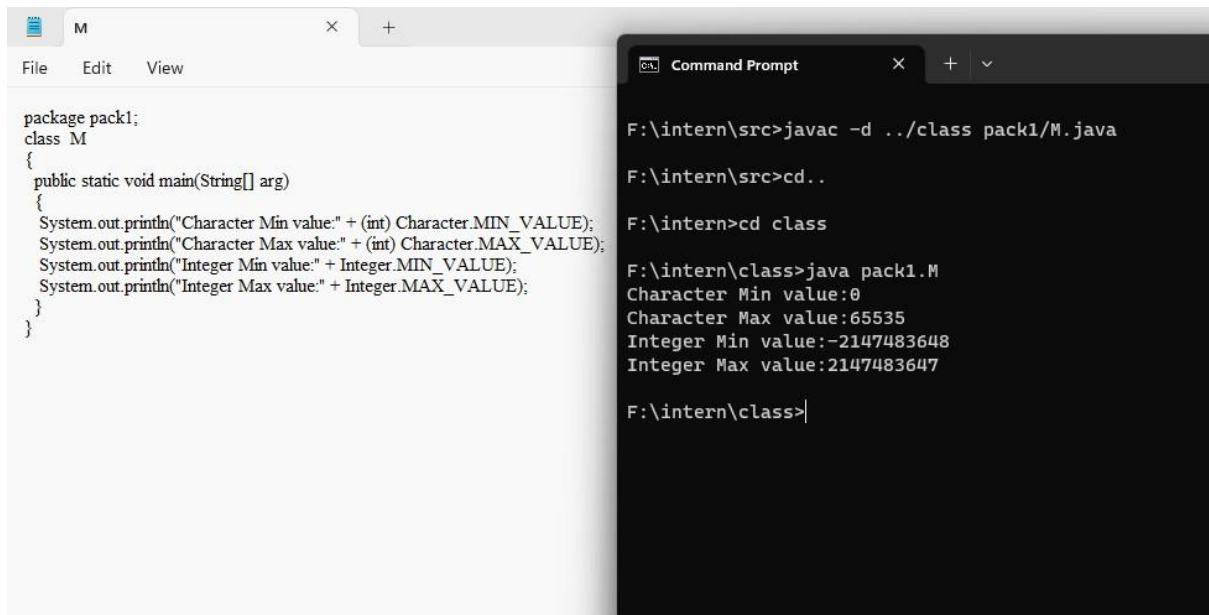
F:\intern\src>javac -d ../class pack1/L.java

F:\intern\src>cd ..

F:\intern>cd class

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

F:\intern\class>
```

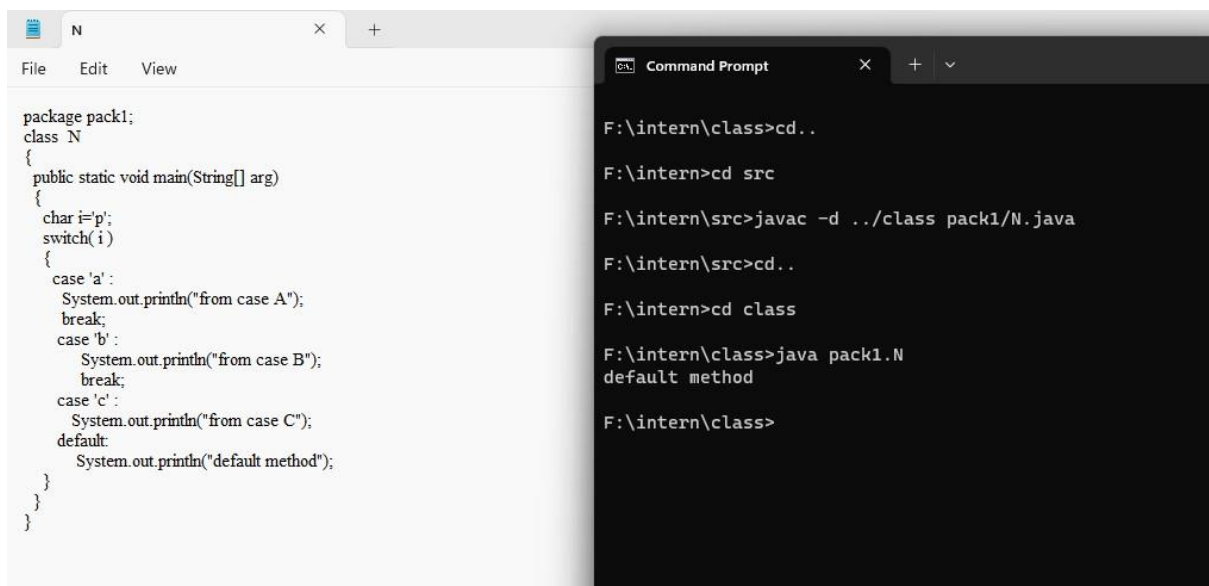


The screenshot shows an IDE window with a file named 'M' and a Command Prompt window. The IDE contains the following Java code:

```
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);
    }
}
```

The Command Prompt shows the following commands and output:

```
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>
```



The screenshot shows an IDE window with a file named 'N' and a Command Prompt window. The IDE contains the following Java code:

```
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");
        }
    }
}
```

The Command Prompt shows the following commands and output:

```
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>
```

```
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>
```