

Implement a program using Basic programming constructs like branching and looping

```
1. class forpro{  
    public static void main(String args[]){  
        int i;  
        for(i=1;i<=10;i++)  
        {  
            System.out.println("Glory Man United");  
        }  
    }  
}
```

OUTPUT:

A screenshot of a Windows Command Prompt window. The title bar shows "C:\Windows\system32\cmd.exe". The window contains the following text:

```
Microsoft Windows [Version 10.0.22621.2428]
(c) Microsoft Corporation. All rights reserved.

C:\Users\ayush>cd C:\Users\ayush\Desktop\java

C:\Users\ayush\Desktop\java>javac forpro.java

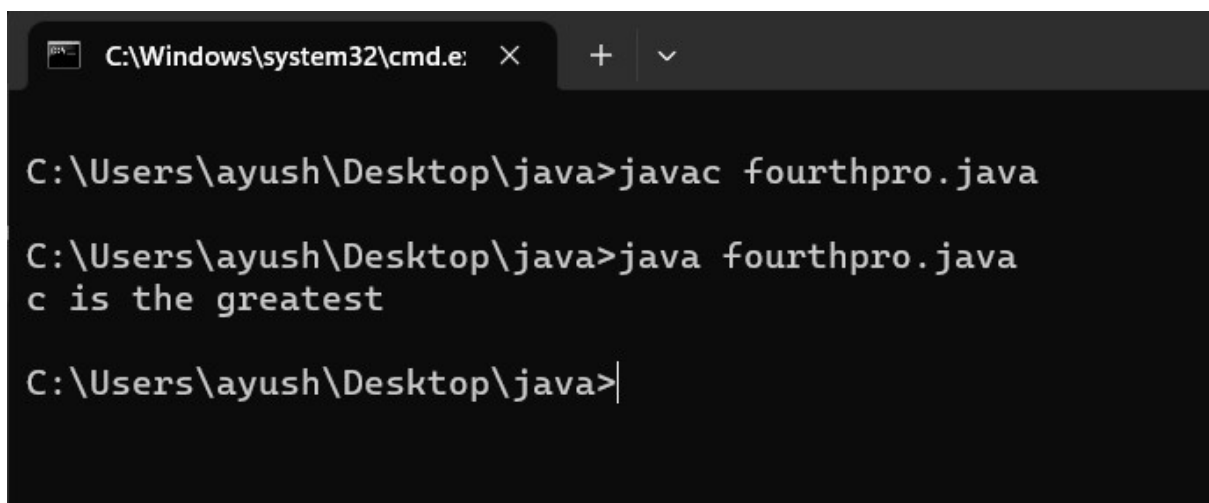
C:\Users\ayush\Desktop\java>java forpro.java
Glory Man United
Glory Man United
Glory Man United
Glory Man United
Glory Man United
Glory Man United
Glory Man United
Glory Man United
Glory Man United
Glory Man United
Glory Man United

C:\Users\ayush\Desktop\java>
```

The output shows the directory being changed to the Desktop's java folder, the source file 'forpro.java' being compiled successfully, and then executed. The program outputs the string 'Glory Man United' ten times.

```
2. class fourthpro{  
public static void main(String args[]){  
int a=1,b=2,c=3;  
if(a>b){  
System.out.println("a is greatest");  
}else if(b>c){  
System.out.println("b is greatest");  
}else{  
System.out.println("c is the greatest");  
}  
}  
}
```

OUTPUT:

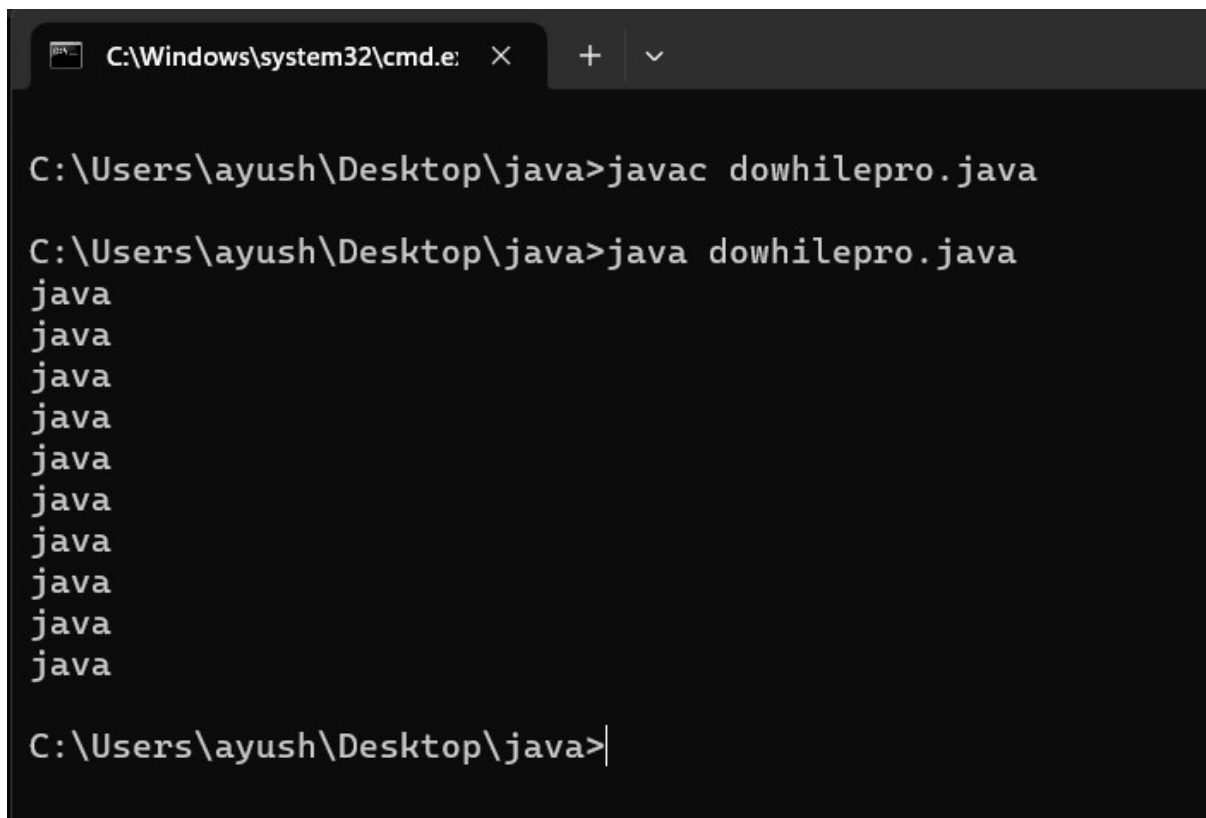


```
C:\Windows\system32\cmd.e: X + v  
  
C:\Users\ayush\Desktop\java>javac fourthpro.java  
  
C:\Users\ayush\Desktop\java>java fourthpro.java  
c is the greatest  
  
C:\Users\ayush\Desktop\java>
```

```
3. class dowhilepro{  
public static void main(String args[]){  
int i=1;  
do{  
System.out.println("java");  
}
```

```
i++;  
}while(i<=10);  
}  
}
```

OUTPUT:



The screenshot shows a Windows command prompt window with the title bar 'C:\Windows\system32\cmd.e'. The command prompt is open at the directory 'C:\Users\ayush\Desktop\java'. The user has entered the command 'javac dowhilepro.java' to compile the program. Then, they entered 'java dowhilepro.java' to run it. The output of the program is ten lines of the word 'java', one on each line. The command prompt is currently at the 'C:\Users\ayush\Desktop\java>' prompt.

```
C:\Windows\system32\cmd.e X + v  
  
C:\Users\ayush\Desktop\java>javac dowhilepro.java  
  
C:\Users\ayush\Desktop\java>java dowhilepro.java  
java  
java  
java  
java  
java  
java  
java  
java  
java  
java  
  
C:\Users\ayush\Desktop\java>
```

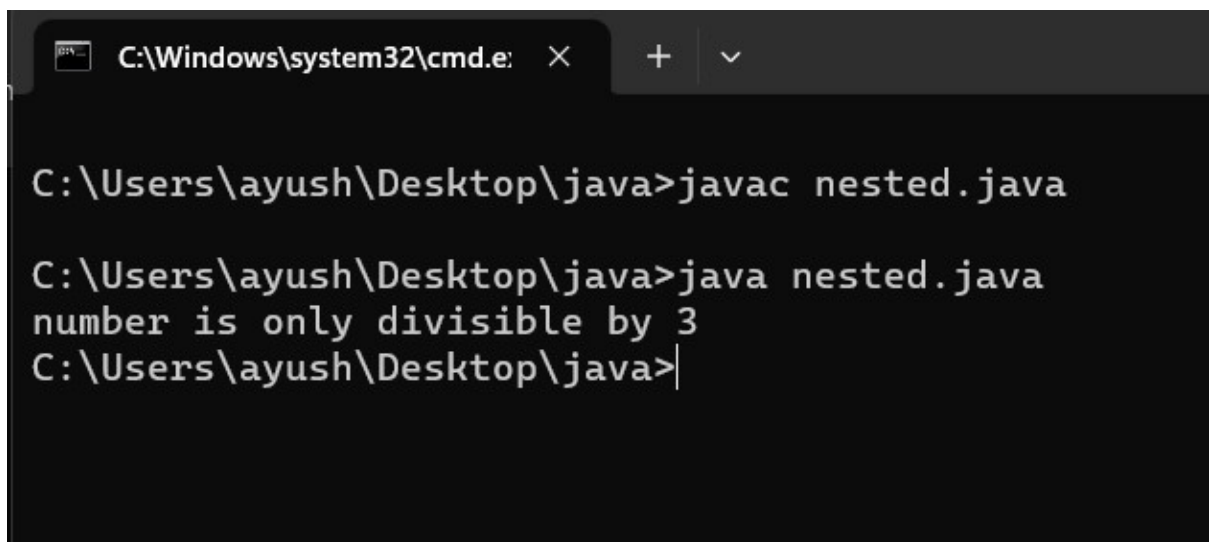
```
4. class nested{  
    public static void main(String args[]){  
        int a=21;  
        if(a%2==0){  
            if(a%3==0){  
                System.out.println("number is divisible by both 2 and 3");  
            }  
            else{  
                System.out.println("number is divisible only by 2 ");  
            }  
        }  
    }  
}
```

```

else{
    if(a%3!=0){
        System.out.print("number is not divisible by both");
    }
else{
    System.out.print("number is only divisible by 3");
}
}
}
}
}

```

OUTPUT:



The screenshot shows a Windows command prompt window with the title bar 'C:\Windows\system32\cmd.e:'. The command prompt is open at the directory 'C:\Users\ayush\Desktop\java'. The user enters the command 'javac nested.java' to compile the program. Then, they enter 'java nested.java' to run the program, which outputs 'number is only divisible by 3'. The prompt then returns to 'C:\Users\ayush\Desktop\java>'.

```

C:\Windows\system32\cmd.e:
C:\Users\ayush\Desktop\java>javac nested.java
C:\Users\ayush\Desktop\java>java nested.java
number is only divisible by 3
C:\Users\ayush\Desktop\java>

```

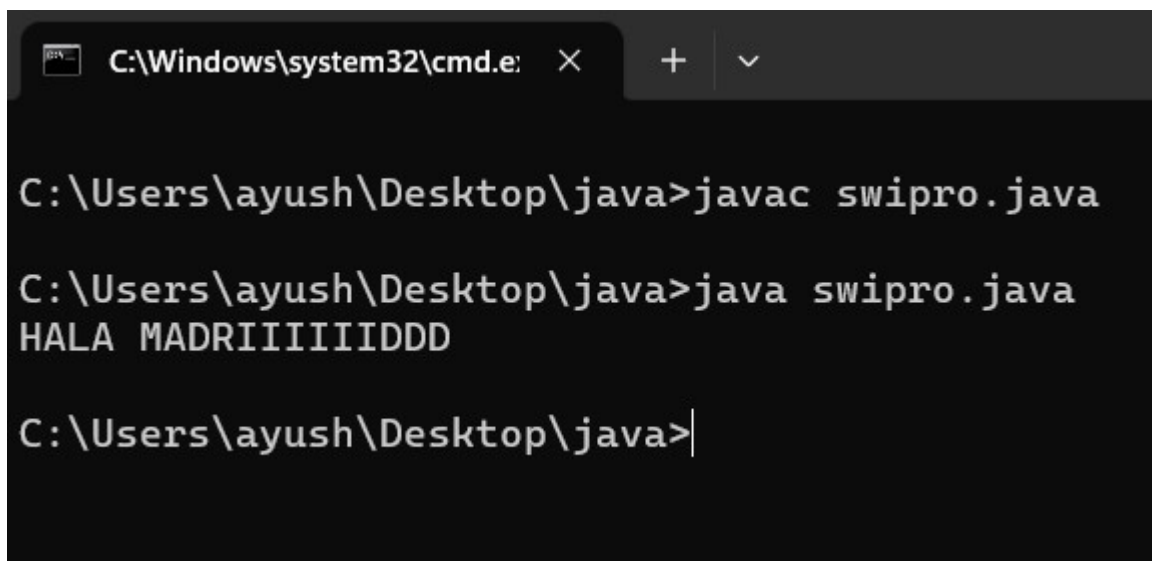
```

5. class swipro{
public static void main(String args[]){
int ch=2;
switch(ch){
case 1:{
System.out.println("VISCA BARCA");
break;}
case 2:{
System.out.println("HALA MADRIIIIIIDDD");

```

```
break;}
case 3:{
System.out.println("GLORY GLORY MAN UNITED");
break;}
}
}
}
```

OUTPUT:



The screenshot shows a Windows command prompt window with the title bar 'C:\Windows\system32\cmd.e'. The command prompt is open at the directory 'C:\Users\ayush\Desktop\java'. The user has entered the command 'javac swipro.java' to compile the program. The next command is 'java swipro.java', which has been executed, resulting in the output 'HALA MADRIIIIIIDDD'. The command prompt is now waiting for the next input.

```
C:\Users\ayush\Desktop\java>javac swipro.java
C:\Users\ayush\Desktop\java>java swipro.java
HALA MADRIIIIIIDDD
C:\Users\ayush\Desktop\java>|
```

```
6. class whilepro{
public static void main(String args[]){
int i=1;
while(i<=5)
{
System.out.println(i);
i++;
}
}
}
```

OUTPUT:

```
C:\Windows\system32\cmd.e: X + v

C:\Users\ayush\Desktop\java>javac whilepro.java

C:\Users\ayush\Desktop\java>java whilepro.java
1
2
3
4
5

C:\Users\ayush\Desktop\java>
```