









The screenshot shows an IDE with a Java file named `reversed.java` and a terminal window below it.

**Java Code:**

```
1 import java.util.Scanner;
2 public class reversed {
3     public static void main(String[] args)
4     {
5         Scanner s=new Scanner(System.in);
6         System.out.println(x:"Enter number:");
7         int n=s.nextInt();
8         int temp=n;
9         int rev=0;
10        while(temp!=0)
11        {
12            int digit=temp%10;
13
```

**Terminal Output:**

```
PS C:\Users\B\NSHIDA\Desktop\java_test> cd "C:\Program Files\Java\jdk-21\bin\java.exe" & "C:\Users\B\NSHIDA\AppData\Local\Programs\Microsoft WindowsApps\code.exe" "C:\Users\B\NSHIDA\Desktop\java_test"
Enter number:
12345
54321
PS C:\Users\B\NSHIDA\Desktop\java_test> cd "C:\Program Files\Java\jdk-21\bin\java.exe" & "C:\Users\B\NSHIDA\AppData\Local\Programs\Microsoft WindowsApps\code.exe" "C:\Users\B\NSHIDA\Desktop\java_test"
Enter number:
12345
54321
PS C:\Users\B\NSHIDA\Desktop\java_test>
```

The terminal shows the program being executed twice. In both cases, the input is `12345` and the output is `54321`, demonstrating the reversal of the number.

The screenshot shows an IDE with a project named 'JAVA\_TEST'. The file explorer on the left lists 'factorial.java', 'km.java', 'multitable.java', 'Pascal.java', and 'reversed.java'. The main editor displays the code for 'factorial.java':

```
1 public class factorial {  
2     public static int printfact(int n)  
3     {  
4         if(n<=1)  
5         {  
6             return 1;  
7         }  
8         else{  
9             return n*(printfact(n-1));  
10        }  
11    }  
12 }  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24
```

The bottom panel shows the 'OUTPUT' tab with the following text:

```
PS C:\Users\A\RTS\IDEA\workspace\java_test> & 'C:\Program Files\Java\jdk-21\bin\java.exe' ^  
AppletClassLoader\code\user\workspace\storage\ic\845c5f975e05b671c089c8878b\redhat_...  
Enter number:  
5  
Factorial of 5 is 120  
PS C:\Users\A\RTS\IDEA\workspace\java_test> <  
PS C:\Users\A\RTS\IDEA\workspace\java_test> cd 'C:\Users\A\RTS\IDEA\workspace\java_test'; & 'C:\Program Files\Java\jdk-21\bin\java.exe' ^  
AppletClassLoader\code\user\workspace\storage\ic\845c5f975e05b671c089c8878b\redhat_...  
Enter number:  
6  
Factorial of 6 is 720  
PS C:\Users\A\RTS\IDEA\workspace\java_test>
```

On the right side of the output panel, there are several 'Run' buttons for different files: 'Run km', 'Run mult...', 'Run factorial', 'Run reversed', and 'Run Pascal'.