

```

package Assignment7_1;
import java.util.IllegalFormatException;
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;
public class Assignment7_1 {
    public static void main(String args[])throws IOException{
        int mainInt;
        BufferedReader br=new BufferedReader(new InputStreamReader(System.in));
        try{
            System.out.println("Enter the Integer number:-");
            mainInt=Integer.parseInt(br.readLine());

            // use Integer.toString() with and without radix

            String string3 = Integer.toString(mainInt);

            String string4 = Integer.toString(mainInt, 16);
            System.out.println("With toString method: string3(10 base system) = " + string3 +
                                ", string4(16 base system) = " +string4);

            // String.valueOf() method

            String string5 = String.valueOf(mainInt);

            System.out.println("With valueOf method: string5 = " +
string5);

            try{
                // use format() method

                String string6 = String.format("%d", mainInt);

                System.out.println("With format method: string6 = " +
string6);

            } catch(IllegalFormatException e1) {

                System.err.println("IllegalFormatException: "+
e1.getMessage());

            } catch(NullPointerException e2) {

                System.err.println("NullPointerException: "+
e2.getMessage());

```

```

    }

    // StringBuilder instance

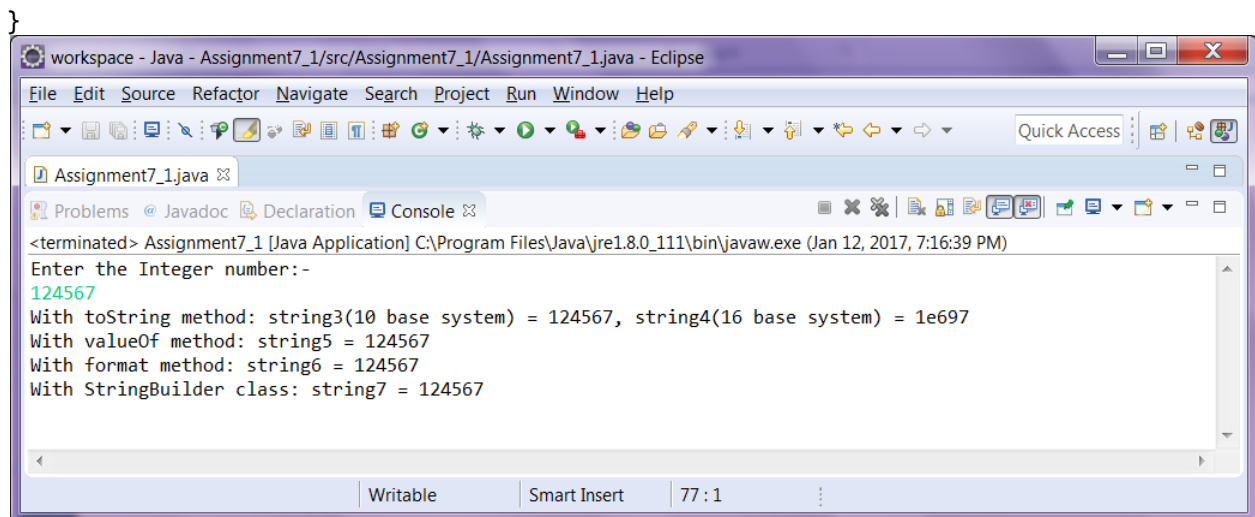
    StringBuilder sb = new StringBuilder();

    sb.append(mainInt);

    String string7 = sb.toString();

    System.out.println("With StringBuilder class: string7 = " +
string7);
    }
    catch(Exception e)
    {System.out.println("wrong Entry"+"\\n"+"Try Again....");
    }
}
}
}

```



The screenshot shows the Eclipse IDE interface with the file 'Assignment7_1.java' open. The console window at the bottom displays the following output:

```

<terminated> Assignment7_1 [Java Application] C:\Program Files\Java\jre1.8.0_111\bin\javaw.exe (Jan 12, 2017, 7:16:39 PM)
Enter the Integer number:-
124567
With toString method: string3(10 base system) = 124567, string4(16 base system) = 1e697
With valueOf method: string5 = 124567
With format method: string6 = 124567
With StringBuilder class: string7 = 124567

```

The status bar at the bottom indicates 'Writable', 'Smart Insert', and the cursor position '77:1'.