

```
1 //to create a menu driven program
2 import java.util.Scanner;
3
4 public class NumberConverter //class starts
5 {
6     public static void main() //main starts
7     {
8         Scanner sc = new Scanner(System.in);
9
10        while (true) {
11            System.out.println("\nMenu:");
12            System.out.println("1. Convert Hexadecimal to Decimal");
13            System.out.println("2. Convert Decimal to Hexadecimal");
14            System.out.println("3. Exit");
15            System.out.print("Enter your choice: ");
16            int choice = sc.nextInt();
17
18            switch (choice) {
19                case 1:
20                    convertHexToDecimal();
21                    break;
22                case 2:
23                    convertDecimalToHex();
24                    break;
25                case 3:
26                    System.out.println("Exiting...");
27
28                    sc.close();
29                    return;
30                default:
31                    System.out.println("Invalid choice! Please enter a valid
32                    option.");
33            }
34        }
35    }
36
37    public static void convertHexToDecimal() {
38        //converts hexa decimal to decimal
39        Scanner sc = new Scanner(System.in);
40        System.out.print("Enter a hexadecimal number: ");
41        String hexString = sc.nextLine();
42        try {
43            int decimal = Integer.parseInt(hexString, 16);
44            System.out.println("Decimal equivalent: " + decimal);
45        } catch (NumberFormatException e) {
46            System.out.println("Invalid hexadecimal number format!");
47        }
48    }
49
50    public static void convertDecimalToHex() {
```

```
46 Scanner sc = new Scanner(System.in);
47 System.out.print("Enter a decimal number: ");
48 int decimal = sc.nextInt();
49 String hexString = Integer.toHexString(decimal);
50 System.out.println("Hexadecimal equivalent: " + hexString.toUpperCase());
51 }
52 //class ends
53 }
```

```
52 //main ends
```