Calculate grades:

```java
package Task3;

import java.util.Scanner;

public class Calculate_Grades {

    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter u r Marks:");
        int d=sc.nextInt();
        d=d/10;
        switch(d) {
        case 1:case 2:case 0: System.out.println("u r grade is 'F' grade point '0'"); break;
        case 3: System.out.println("u r grade is 'D' grade point '4.0'"); break;
        case 4: System.out.println("u r grade is 'C2' grade point '5.0'");
        case 5: System.out.println("u r grade is 'C1' grade point '6.0'"); break;
        case 6: System.out.println("u r grade is 'B2' grade point '7.0'"); break;
        case 7: System.out.println("u r grade is 'B1' grade point '8.0'"); break;
        case 8: System.out.println("u r grade is 'A2' grade point '9.0'"); break;
        case 10:case 9: System.out.println("u r grade is 'A1' grade point '10.0'"); break;
        default: System.out.println("Please enter marks from 0 to 100");
        }

    }

}
```
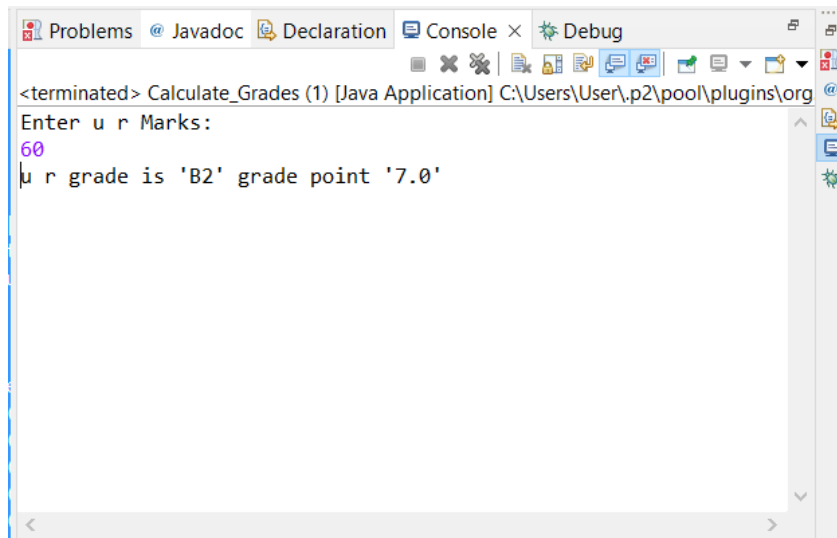
Output:

```
Problems  @ Javadoc  Declaration  Console ×  Debug
<terminated> Calculate_Grades (1) [Java Application] C:\Users\User\.p2\pool\plugins\org
Enter u r Marks:
60
u r grade is 'B2' grade point '7.0'
```

Even or odd:

```java
package Task3;

import java.util.Scanner;

public class Even_Odd {

    public static void main(String[] args) {

        Scanner sc=new Scanner(System.in);
        System.out.println("Enter u r number:");
        int i=sc.nextInt();

        switch(i%2) {
        case 0:
            System.out.println("Even");
            break;
        default:
            System.out.println("Odd");
            break;
        }

    }

}
```
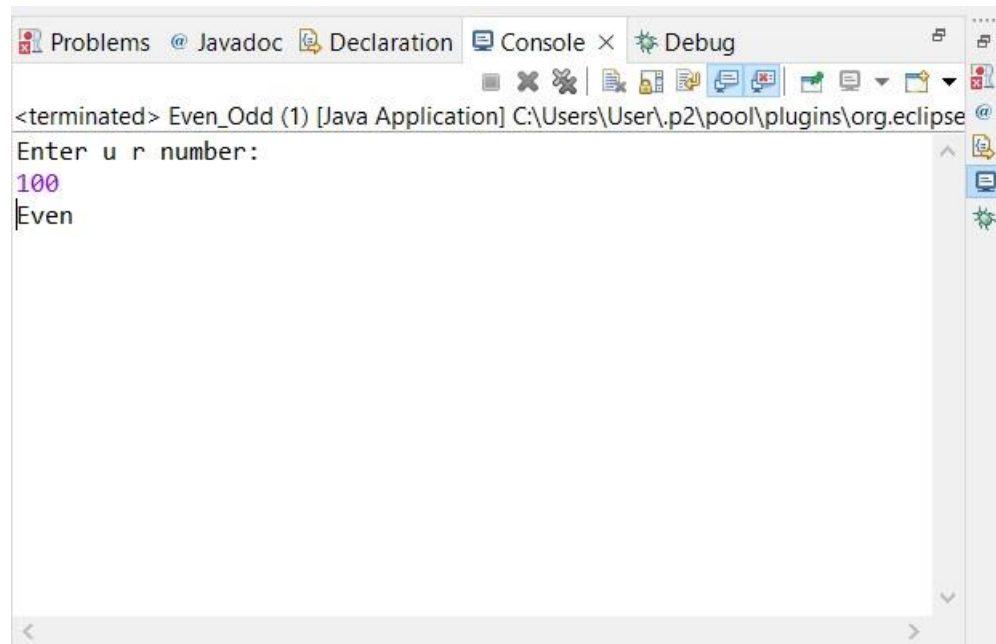
Output:

Leap year:

```java
package Task3;

import java.util.Scanner;

public class leep_year {

    public static void main(String[] args) {

        Scanner sc=new Scanner(System.in);
        System.out.println("Enter year to check leep year or not:");
        int year=sc.nextInt();
        if(((year%4==0)&&(year%100!=0))||(year%400==0))
{System.out.println(year+" is a leep year");}
        else {System.out.println(year+" is not a leep year");}

    }

}
```
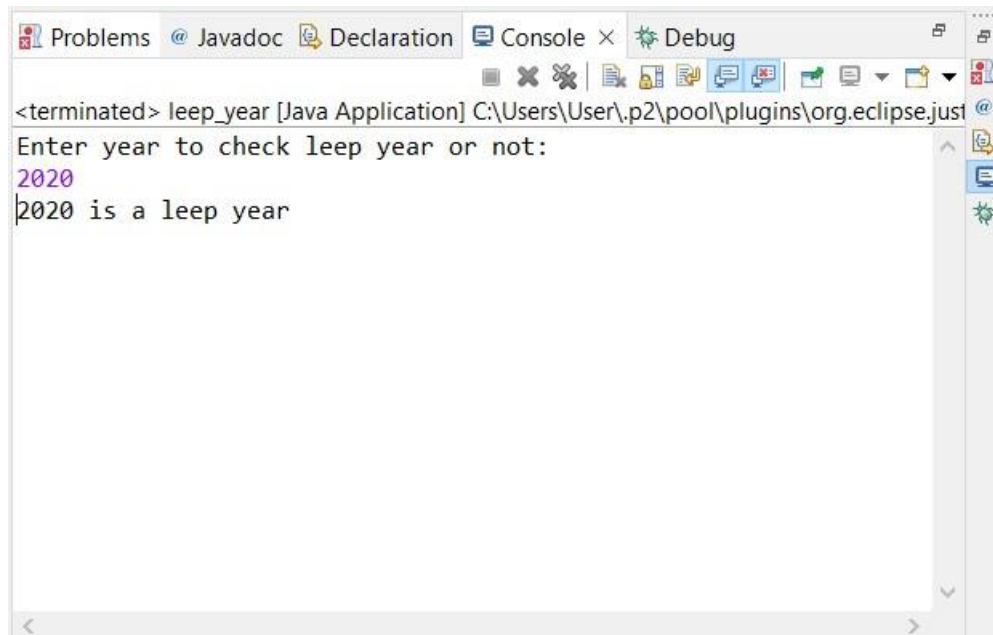
Output:

Radix:

```java
package Task3;

import java.util.Scanner;

public class Radix {

    public static void main(String[] args) {

        Scanner sc=new Scanner(System.in);
        System.out.println("Enter u r format:");
        String format=sc.nextLine();
        if(format.matches("[O-1]+")) {
            System.out.println("you Entered Binary values with Base 2");
        }
        else {
            if(format.matches("[O-7]+")) {
                System.out.println("you Entered Octal values with Base 8");
            }
            else {
                if(format.matches("[O-9]+")) {
                    System.out.println("you Entered Decimal values with Base 10");
                }
                else if(format.matches("[O-9A-F]+")) {
```

```
                        System.out.println("you Entered Hexadecimal
value with Base 16");
                        }
                        else {System.out.println("wrong format please
enter correct fromat");}
                }
        }

    }

}
```
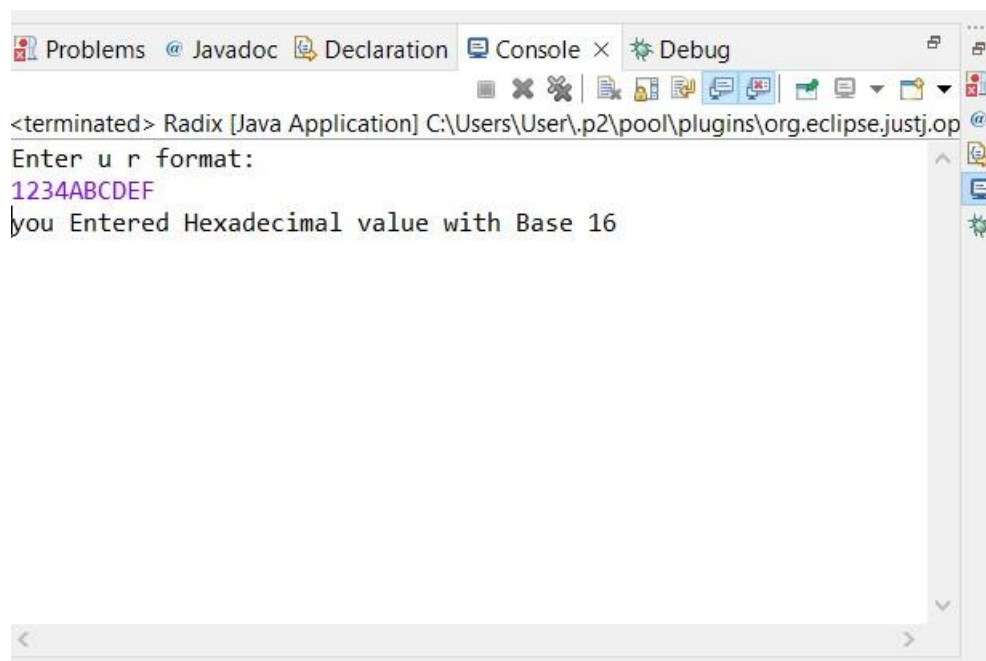
Output: