Assignment 1

1. Write a Java program to print the product of two numbers.

```
2. package example; //Program to find product
3. import java.util.*;
4. public class ex2 {
5. public static void main(String[] args) {
6. Scanner n=new Scanner(System.in);
7. System.out.println("Enter first number"); // First input
8. int a=n.nextInt();
9. System.out.println("Enter second number"); // Second input
10.       int b=n.nextInt();
11.       System.out.println("Product is : "+(a*b)); // result
12.       }
13.       }
```

Output:

```
Enter first number
8
Enter second number
7
Product is : 56
```

Codeshare link :

https://codeshare.io/8plkpZ

2. Write a Java program to calculate the average of three numbers.

```
package example; //average of three numbers

import java.util.*;

public class average {

public static void main(String[] args) {

Scanner n= new Scanner(System.in);

System.out.println("Enter 1st number"); //1st input

float a=n.nextFloat();

System.out.println("Enter 2nd number"); //2nd input

float b=n.nextFloat();

System.out.println("Enter 3rd number"); //3rd input

float c=n.nextFloat();

System.out.println("Average of three numbers is "+((a+b+c)/3)); //result
```

```
    }

}
```

Output :

```
Enter 1st number
22
Enter 2nd number
23
Enter 3rd number
8
Average of three numbers is 17.666666

```

Codeshare link :

https://codeshare.io/dwQWOg

3. Write a Java program to check whether the given number is even or odd.

```java
package example; // even or odd program

import java.util.*;

public class evenorodd {

public static void main(String[] args) {

Scanner n=new Scanner(System.in);

System.out.println("Enter the number"); // input number

int a=n.nextInt();

if(a%2==0) // check remainder is equal to zero

System.out.println("The number is even"); //if true print even

else

System.out.println("The number is odd"); // if odd print false

}

}
```

Output :

```
Enter the number
76
The number is even


```

Codeshare link :

4.Write a program to check whether a given year is leap year.

```java
package example; // leap year program

import java.util.*;

public class leapyear {

public static void main(String[] args) {

Scanner n=new Scanner(System.in);

System.out.println("Enter the year"); // enter the input

int a=n.nextInt();

if( a % 4 == 0 && a % 100 != 0 || a % 400 == 0) // condition to check leap year

System.out.println("It is a leap year"); // true result

else

System.out.println("It is a not a leap year"); // false result

}

}
```

Output :

```
Enter the year
2236
It is a leap year
```

Codeshare link :

5. Write a Java program to print the ASCII value of given a character.

```java
package example; // ASCII program

import java.util.*;

public class ASCII {

public static void main(String[] args) {

Scanner n=new Scanner(System.in);
```

```java
System.out.println("Enter the character "); // enter input character

char ch=n.next().charAt(0);

int ascii=ch;

System.out.println("The ASCII value is "+ascii); // result

}

}
```

Output :

```
Enter the character
A
The ASCII value is 65
```

Codeshare link :

https://codeshare.io/WdEbmE

6. Write a Java program to convert Celsius to Fahrenheit.

```java
package example; // Celsius to Fahrenheit

import java.util.*;

public class celsius {

public static void main(String[] args) {

Scanner n=new Scanner(System.in);

System.out.println("Enter the temperature in clesius"); // Input in Celsius

float t=n.nextFloat();

float f = 32+(t*9/5);

System.out.println("The temperature in Fahrenheit is "+f); // result in
Fahrenheit

}

}
```

Output :

```
Enter the temperature in clesius
37
The temperature in Fahrenheit is 98.6
```

Codeshare link :

https://codeshare.io/dwQW6e

7. Write a Java program to find the maximum of two numbers.

```java
package example; // max of two numbers

import java.util.*;

public class maxof2 {

public static void main(String[] args) {

Scanner n=new Scanner(System.in);

System.out.println("Enter the 1st number"); //1st number input

int a=n.nextInt();

System.out.println("Enter the 2nd number"); //2nd number input

int b=n.nextInt();

if(a>b) // condition to check which is greater

System.out.println(" "+a+" is greater");

else

System.out.println(" "+b+" is greater");

}

}
```

Output :

```
Enter the 1st number
65
Enter the 2nd number
72
 72 is greater
```

Codeshare link :

https://codeshare.io/Ad1Wmx