1.

class labfirstprogram{

public static void main(String arg[]){

float a = 10;

float b = 15;

float add,mul,sub;

float div;

add = a+b;

mul= a\*b;

sub=a-b;

div=b/a;

System.out.println(" sum of two numbers is "+ add);

System.out.println("\n Product of two numbers is "+mul );

System.out.println("\n Division of two given numbers is : "+div);

System.out.println("\n Subtraction of two given number is "+sub);

}

}

Output:

C:\Users\Student\Desktop\Java\_lab>java labfirstprogram

sum of two numbers is 25.0

Product of two numbers is 150.0

Division of two given numbers is : 1.5

Subtraction of two given number is -5.0

C:\Users\Student\Desktop\Java\_lab>

2.

class SecondProgram{

public static void main(String arg[]){

float p = 1000;

float t = 15;

float r = 12;

float sp;

sp = (p\*t\*r)/100;

System.out.println(" the simple interest of given credentials is "+ sp);

}

}

Output:

C:\Users\Student\Desktop\Java\_lab>java SecondProgram

the simple interest of given credentials is 1800.0

C:\Users\Student\Desktop\Java\_lab>

3.

class ThirdProgram {

public static void main(String[] args) {

int n = 10, firstTerm = 0, secondTerm = 1;

System.out.println("Fibonacci Series till " + n + " terms:");

for (int i = 1; i <= n; ++i) {

System.out.print(firstTerm + ", ");

int nextTerm = firstTerm + secondTerm;

firstTerm = secondTerm;

secondTerm = nextTerm;

}

}

}

Output :

Fibonacci Series till 10 terms:

0, 1, 1, 2, 3, 5, 8, 13, 21, 34,

C:\Users\Student\Desktop\Java\_lab>

4.

public class FourthProgram {

public static void main(String[] args) {

System.out.println("Multiplication Table of 3:");

for (int i = 1; i <= 10; i++) {

System.out.println("3 x " + i + " = " + (3 \* i));

}

System.out.println("\nMultiplication Table of 5:");

for (int i = 1; i <= 10; i++) {

System.out.println("5 x " + i + " = " + (5 \* i));

}

}

}

Output:

Multiplication Table of 3:

3 x 1 = 3

3 x 2 = 6

3 x 3 = 9

3 x 4 = 12

3 x 5 = 15

3 x 6 = 18

3 x 7 = 21

3 x 8 = 24

3 x 9 = 27

3 x 10 = 30

Multiplication Table of 5:

5 x 1 = 5

5 x 2 = 10

5 x 3 = 15

5 x 4 = 20

5 x 5 = 25

5 x 6 = 30

5 x 7 = 35

5 x 8 = 40

5 x 9 = 45

5 x 10 = 50

5.

class FifthProgram {

public static void main(String[] args) {

int number = 5; // Example number

long factorial = 1;

for (int i = 1; i <= number; i++) {

factorial \*= i;

}

System.out.println("Factorial of " + number + " is: " + factorial);

}

}

output:

C:\Users\HP\OneDrive\Desktop\javalab>java FifthProgram

Factorial of 5 is: 120

C:\Users\HP\OneDrive\Desktop\javalab>







