Day 1 & 2 Assignment:

1. package day1\_assignment;

//Write a Java program that demonstrates the use of all primitive data types.

public class All\_datatypes {

public static void main(String[] args) {

boolean flag = true;

System.***out***.println("boolean flag = " + flag);

char letter = 'A';

System.***out***.println("char letter = " + letter);

byte b = 100;

System.***out***.println("byte b = " + b);

short s = 20000;

System.***out***.println("short s = " + s);

int i = 1000000000;

System.***out***.println("int i = " + i);

long l = 9000000000l;

System.***out***.println("long l = " + l);

float f = 3.14f;

System.***out***.println("float f = " + f);

double d = 2.718281828459045;

System.***out***.println("double d = " + d);

}

}

Output:

boolean flag = true

char letter = A

byte b = 100

short s = 20000

int i = 1000000000

long l = 9000000000

float f = 3.14

double d = 2.718281828459045

2. package day1\_assignment;

//Write a Java program to print even numbers between 1 to 50 using a for loop.

public class even {

public static void main(String[] args) {

for(int i=2;i<=50;i++) {

if(i%2==0) {

System.***out***.print(i+” “);

}

}

}

}

Output:2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50

3. package day1\_assignment;

// Write a Java program to demonstrate the use of if-else and switch-case statements.

public class If\_else\_switch {

public static void main(String[] args) {

int year=2020;

int flag=0;

if((year%4==0 && year%100!=0) || year%400==0) {

flag=1;

}

else {

flag=0;

}

switch(flag) {

case 1:

System.***out***.println("Leap");

break;

case 0:

System.***out***.println(" Not Leap");

break;

}

}

}

Output:Leap

4. package day1\_assignment;

//Write a program to convert a double value to an int without data loss.

public class Int\_Double {

public static void main(String[] args) {

double d=5.0;

int i=(int)d;

System.***out***.println(i);

}

}

Output:5

5. package day1\_assignment;

//Write a Java program to display the multiplication table of a number using a loop.

public class mul\_17 {

public static void main(String[] args) {

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

{

System.***out***.println("17 \* "+i+" = "+17\*i);

}

}

}

Output: 17 \* 1 = 17

17 \* 2 = 34

17 \* 3 = 51

17 \* 4 = 68

17 \* 5 = 85

17 \* 6 = 102

17 \* 7 = 119

17 \* 8 = 136

17 \* 9 = 153

17 \* 10 = 170

6. package day1\_assignment;

//Write a Java program using nested if statements.

public class Nested\_if {

public static void main(String[] args) {

int n=5;

if(n>0) {

if(n%2==0) {

System.***out***.println("even");

}

else {

System.***out***.println("odd");

}

}

else {

System.***out***.println("negative or zero");

}

}

}

Output:odd

7. package day1\_assignment;

import java.util.Scanner;

public class Switch\_calculator {

public static void main(String[] args) {

// **TODO** Auto-generated method stub

Scanner sc=new Scanner(System.***in***);

System.***out***.println("enter n1: ");

int n1=sc.nextInt();

System.***out***.println("enter n2: ");

int n2=sc.nextInt();

System.***out***.println("enter operation: ");

String opp=sc.next();

switch(opp) {

case "add":

System.***out***.println(n1+n2);

break;

case "sub":

System.***out***.println(n1-n2);

break;

case "mul":

System.***out***.println(n1\*n2);

break;

case "div":

System.***out***.println(n1/n2);

break;

case "mod":

System.***out***.println(n1%n2);

break;

default:

System.***out***.println("enter valid operation");

}

}

}

Output: enter n1:

4

enter n2:

6

enter operation:

sub

-2

8. package day1\_assignment;

// Write a program using the ternary operator.

public class Ternary {

public static void main(String[] args) {

int n=5;

System.***out***.println(n>=0?"positive":"negative");

}

}

Output:positive