

Qus.1

class A
constructor :default :addition

Main
call

```
import java.util.*;
class a{
    a(){
        Scanner sc =new Scanner(System.in);
        System.out.println("enter tha value of a or b:");
        int a = sc.nextInt();
        int b = sc.nextInt();
        System.out.println(a+b);
    }
}
public class Main
{
    public static void main(String[] args) {
        new a();
    }
}
```

.....

Qus.2

class A
constructor :default :divide

Main
call
user input

```
import java.util.*;
class a{
    a(){
        Scanner sc =new Scanner(System.in);
        System.out.println("enter tha value of a or b:");
```

```

        int a = sc.nextInt();
        int b = sc.nextInt();
        System.out.println(a/b);
    }
}
public class Main
{
    public static void main(String[] args) {
        new a();
    }
}

```

.....

Qus.3

class A
constructor :default :substraction

Main
call
user input

```

import java.util.*;
class a{
    a(){
        Scanner sc =new Scanner(System.in);
        System.out.println("enter tha value of a or b:");
        int a = sc.nextInt();
        int b = sc.nextInt();
        System.out.println(a-b);
    }
}
public class Main
{
    public static void main(String[] args) {
        new a();
    }
}

```

.....

Qus.4

class A
constructor :default :mutli

Main

call

user input

```
import java.util.*;
class a{
    a(){
        Scanner sc =new Scanner(System.in);
        System.out.println("enter tha value of a or b:");
        int a = sc.nextInt();
        int b = sc.nextInt();
        System.out.println(a*b);
    }
}
public class Main
{
    public static void main(String[] args) {
        new a();
    }
}
```

.....

Qus.5

Main

constructor :default :mutli

call

user input

```
import java.util.*;
public class Main
{
    Main(){
        Scanner sc =new Scanner(System.in);
        System.out.println("enter tha value of a or b:");
        int a = sc.nextInt();
        int b = sc.nextInt();
        System.out.println(a*b);
    }

    public static void main(String[] args) {
        new Main();
    }
}
```

.....

Qus.6

class A
constructor :default :addd

class B
constructor :default :divide

class C
constructor :default :subs

Main
call

user input

```
import java.util.*;
class a{
    a(){
        Scanner sc =new Scanner(System.in);
        System.out.println("enter tha addction of a or b:");
        int a = sc.nextInt();
        int b = sc.nextInt();
        System.out.println(a+b);
    }
}
class b{
    b(){
        Scanner sc =new Scanner(System.in);
        System.out.println("enter tha divisibal of a or b:");
        int a = sc.nextInt();
        int b = sc.nextInt();
        System.out.println(a/b);
    }
}
class c{
    c(){
        Scanner sc =new Scanner(System.in);
        System.out.println("enter tha divisibal of a or b:");
        int a = sc.nextInt();
        int b = sc.nextInt();
        System.out.println(a-b);
    }
}
```

```

}
public class Main
{
    public static void main(String[] args) {
        new a();
        new b();
        new c();
    }
}

```

.....

Qus.7

class A
constructor : pallindrome code

show() :no return and no argument :add

show1() :no return and argument :swap number

show2() :return and argument : short :short b=78

show3() :return and argument : double

Main class
main()

import java.util.*;

```

class a {
    a() {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the number => ");
        int a = sc.nextInt();
        int temp = a;

        int rem, sum = 0;
        while (a > 0) {

            rem = a % 10;
            sum = sum * 10 + rem;
            a = a / 10;
        }
    }
}

```

```

    }

    if (sum == temp) {
        System.out.println(" the number is pallanderom...");

    } else {
        System.out.println(" the number is not a pallandrom....");
    }

}

}

public class Main {

    void show() {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the number1 and number2 => ");
        int a = sc.nextInt();
        int b = sc.nextInt();

        int c = a + b;

        System.out.println("the Addition of " + a + " and " + b + " = " +
c);
    }

    void show1(int a, int b) {

        int c;

        c = a;
        a = b;
        b = c;

        System.out.println("After the swaped value of a is " + a);
        System.out.println("After the swaped value of b is " + b);

    }

    short show2(short sh) {

        System.out.print("the number is " + sh);

        return sh;

    }

    double show3(double d) {

```

```

        System.out.print("the number is " + d);

        return d;

    }

    public static void main(String[] args) {

        Main k = new Main();
        Scanner sc = new Scanner(System.in);
        System.out.println(
            "Which process do u want swap , Addition,
pallindrome , Short number , Double number => ");
        String s = sc.next();
        if (s.equals("swap")) {

            int a = sc.nextInt();
            int b = sc.nextInt();

            k.show1(a, b);

        } else if (s.equals("Addition")) {

            k.show();
        } else if (s.equals("Short")) {
            short sh = sc.nextShort();
            k.show2(sh);
        } else if (s.equals("Double")) {
            double d = sc.nextDouble();
            k.show3(d);
        } else if (s.equals("pallindrome")) {
            new a();
        } else {
            System.out.println("Invalid input!!!!!!");
        }

    }

}

```