***Day-1***

1)class Main {  
    public static void main(String[] args) {  
        String s1="Hello";  
        String s2=new String("Hello");  
        System.out.println(s1 == s2);  
        System.out.println(s1.equals(s2));  
    }  
}

***output***

false

true

2) import java.util.Scanner;  
class Main {  
    public static void main(String[] args) {  
       Scanner name=new Scanner(System.in);  
       System.out.println("two name are different");  
       String  c=name.nextLine();  
        String a= "Sri";  
        String b=new String("Jenu");  
        System.out.println(a.equals(b));  
    }  
}

output

two name are different

sri

false

3)import java.util.Scanner;  
class Main {  
    public static void main(String[] args) {  
       Scanner name=new Scanner(System.in);  
       System.out.println("two name are different");  
       String  st1= "java is fun";  
        String st2= "java is hard";  
        String b=new String("Java is hard");  
        System.out.println(st1=st2);  
        System.out.println(st2=st1);  
    }  
}

output

two name are different  
java is hard  
java is hard

## 4) public class SubstringExample {     public static void main(String[] args) {         String str = "java programming"; System.out.println("Substring from index5:"+ str.substring(5)); System.out.println("Substring from index0to4:"+ str.substring(0,4));                 } }

output

# Substring from index5:programming Substring from index 0 to 4:java

## 

## 5) public class main{     public static void main(String[] args) {         String s3="vijay";         for(int i=s3.length()-1;i>=0;i--){             System.out.println(s3.charAt(i));         }     } }

## output

## y a j i v

## 6) public class main{     public static void main(String[] args) {         String s1="java programming";         System.out.println(s1.replace('a','x'));                 }     }    output jxvx progrxmming

## 7) public class IndexOfExample {     public static void main(String[] args) {         String str = "java programming";         System.out.println("Index of 'prog': " + str.indexOf("prog"));         System.out.println("Index of 'z': " + str.indexOf('z'));     } }  output

# Index of 'prog': 5 Index of 'z': -1          8)public class Main {     public static void main(String[] args) {         String s1 = "java programming";         System.out.println(s1.replace('a', 'x'));         System.out.println("Index of 'z': " + s1.indexOf('z'));     } }

## output

# jxvx progrxmming Index of 'z': -1

## 9)public class Main {     public static void main(String[] args) {         String str1 = "java";         String str2 = "java";         System.out.println("Case-sensitive equals: " + str1.equals(str2));         System.out.println("Case-insensitive equals: " + str1.equalsIgnoreCase(str2));     } }

# output

# Case-sensitive equals: true Case-insensitive equals: true

## 10) public class Main {     public static void main(String[] args) {         String str1 = "java programming";                 // Corrected variable name from 'str' to 'str1'         System.out.println("Before trim: [" + str1 + "]");         System.out.println("After trim: [" + str1.trim() + "]");     } }

## output

# Before trim: [java programming] After trim: [java programming]

# 11)public class Main {

# public static void main(String[] args) {         String s1 = new String("javaDeveloper");          String s2 = "javaDeveloper";          String s3 = s1.intern();          System.out.println("s1 == s2: " + (s1 == s2));          System.out.println("s2 == s3: " + (s2 == s3));      } }

output

## s1 == s2: false s2 == s3: true

Day-2

## public class Main {     1)public static void main(String[] args) {         int a = 10;         int[] arr = {1, 2, 3, 4, 5};         int max = arr[0];         for (int i = 1; i < arr.length; i++) {             if (arr[i] > max) {                 max = arr[i];             }         }         System.out.println("The max value: " + max);     } }

## output

### The max value: 5

## 2)public class Main {

# public static void main(String[] args) {         String str = "Hello";         String str1 = "";         for (int i = 0; i < str.length(); i++) {             if (str.charAt(i) == 'l') {                 str1 += 'k';             } else {                 str1 += str.charAt(i);             }         }         System.out.println(str1);     } } output Hekko

### 3) 1)char program

## public class Main {     public static void main(String[] args) {         Scanner name=new Scanner(System.in);         System.out.println("Enter your char value");         char ch=ref.nextLine().charAt(0);         System.out.println(ch);     } }     }

output

4) oops program

### public class ObjectOriented {     static int a = 5;     static int b = 10;     public static void display() {         System.out.println("a: " + a);         System.out.println("b: " + b);     }     public static void main(String[] args) {         System.out.println(ObjectOriented.a);         ObjectOriented.display();       } }

output

## 5 a: 5 b: 10

## 5) class Main {     public static void main(String[] args) {         System.out.println(Objectoriented.a);         Objectoriented.Display();             } } class Objectoriented{ static int a=10; public static void Display(){     System.out.println("Static Method");     }     }

## output

## 10 Static Method

# 6)prog2

## class Main {     public static void main(String[] args) {         Sample ref=new Sample();     } } class Sample{     //default constructor     Sample(){         System.out.println("Default constructor");     } }

output

### Default constructor

7) import java.util.Scanner;

class Main {

public static void main(String[] args) {

Sample ref = new Sample("BMW", "M5");

Sample ref1 = new Sample("Ford", "M7");

System.out.println(ref.carname);

System.out.println(ref.carmodel);

System.out.println(ref1.carname);

System.out.println(ref1.carmodel);

}

}

class Sample {

String carname;

String carmodel;

Sample(String carname, String carmodel) {

this.carname = carname;

this.carmodel = carmodel;

}

}

Output

BMW

M5

Ford

M7

class Demo {

public static void main(String[] args) {

System.out.println("hello");

}

}

class Main {

public static void main(String[] args) {

Objectoriented ref = new Objectoriented();

ref.Display();

System.out.println("Nonstatic var: " + ref.name);

System.out.println("Nonstatic var: " + ref.Rollno);

System.out.println("Static var: " + Objectoriented.a);

}

}

class Objectoriented {

String name = "java";

String Rollno = "2326ja71";

static int a = 10;

public void Display() {

System.out.println("Non-static Method");

}

}

Output

Hello

import java.util.Scanner;

class Main {

public static void main(String[] args) {

class Account {

private String Accholder;

private int Balance;

Account(String Accholder, int Balance) {

this.Accholder = Accholder;

this.Balance = Balance;

}

public String getAccholder() {

return Accholder;

}

public int getBalance() {

return Balance;

}

}

Scanner scanner = new Scanner(System.in);

System.out.print("Enter Account Holder Name: ");

String name = scanner.nextLine();

System.out.print("Enter Initial Balance: ");

int balance = scanner.nextInt();

Account account = new Account(name, balance);

System.out.println("Account Holder: " + account.getAccholder());

System.out.println("Account Balance: " + account.getBalance());

scanner.close();

}

}

Output

Enter Account Holder Name: sri

Enter Initial Balance: 100

Account Holder: sri

Account Balance: 100

Balance

10) class Main

{

public static void main(String[] args) {

Sample sa=new Sample("sri",100);

System.out.println("Accholder:"+sa.getAccholder());

System.out.println("Balance:"+sa.getBalance());

}

}

class Sample{

private String Accholder;

private int Balance;

Sample(String Accholder,int Balance){

this.Accholder=Accholder;

this.Balance=Balance;

}

public String getAccholder(){

return Accholder;

}

public int getBalance(){

return Balance;

}

}

Output

Accholder:sri

Balance:100

Set amount

## 11)public class Main {     public static void main(String[] args) {         // Create an account for "sri" with an initial balance of 100         Sample sa = new Sample("", 100);         System.out.println("Initial Account Holder: " + sa.getAccHolder());         System.out.println("Initial Balance: " + sa.getBalance());                 // Perform deposit         sa.deposit(50);  // Deposit 50 into the account                 // Print updated account details         System.out.println("Updated Account Holder: " + sa.getAccHolder());         System.out.println("Updated Balance: " + sa.getBalance());     } } class Sample {     private String accHolder;  // Account holder name     private int balance;     Sample(String accHolder, int balance) {         this.accHolder = accHolder;         this.balance = balance;     }     public String getAccHolder() {         return accHolder;     }     public int getBalance() {         return balance;     }     public void deposit(int amount) {         if (amount > 0) {             balance += amount;               System.out.println("Deposit successful! New balance: " + balance);         } else {             System.out.println("Invalid deposit amount.");         }     } }

Output

Initial Account Holder:

Initial Balance: 100

Deposit successful! New balance: 150

Updated Account Holder:

Updated Balance: 150

Withdraw codind

public class Main {

public static void main(String[] args) {

Sample sa = new Sample("nisha", 1000);

System.out.println("Initial Account Holder: " + sa.getAccHolder());

System.out.println("Initial Balance: " + sa.getBalance(){

sa.deposit(200); // Deposit 200 into the account

System.out.println("Updated Account Holder: " + sa.getAccHolder());

System.out.println("Updated Balance: " + sa.getBalance());

sa.withdraw(500);

System.out.println("Updated Account Holder: " + sa.getAccHolder());

System.out.println("Updated Balance: " + sa.getBalance());

}

}

class Sample {

private String accHolder; // Account holder name

private int balance; // Account balance

Sample(String accHolder, int balance) {

this.accHolder = accHolder;

this.balance = balance;

}

public String getAccHolder() {

return accHolder;

}

public int getBalance() {

return balance;

}

public void deposit(int amount) {

if (amount > 0) {

balance += amount;

System.out.println("Deposit successful! New balance: " + balance);

} else {

System.out.println("Invalid deposit amount.");

}

}

public void withdraw(int amount) {

if (amount > 0) {

if (balance >= amount) {

balance -= amount;

System.out.println("Withdrawal successful! New balance: " + balance);

} else {

System.out.println("Insufficient funds. Withdrawal failed.");

}

} else {

System.out.println("Invalid withdrawal amount.");

}

}

}

Output

Initial Account Holder: nisha

Initial Balance: 1000

Deposit successful! New balance: 1200

Updated Account Holder: nisha

Updated Balance: 1200

Withdrawal successful! New balance: 700

Updated Account Holder: nisha

Updated Balance: 700