1.

```
import java.util.*;
 class Animal{
     public static void main(String[] args) {
        List<String>list_string =new ArrayList<String>();
        list_string.add("Rabbit");
        list_string.add("Rat");
        list_string.add("Cat");
        list_string.add("Dog");
                                                        89_Yukti_Pant_DBDA
        list_string.add("Parrot");
        list_string.forEach((n)->System.out.println("Animals are "+n));
   Animal ×
      Animals are Rabbit
      Animals are Rat
      Animals are Cat
      Animals are Dog
                                        89_Yukti_Pant_DBDA
      Animals are Parrot
.mport java.util.*;
class Animal{
  public static void main(String[] args) {
       List<String>list string =new ArrayList<String>();
       list string.add("Rabbit");
       list string.add("Cat");
       list string.add("Parrot");
2.
import java.util.*
 lass BankAccount
  private int accno;
   private double balance;
   Scanner sc = new Scanner(System.in);
  public void show() {
```

```
System.out.println("Account no. is " + accno);
      System.out.println("Balance is " + balance);
  public void deposit() {
      long amt;
      System.out.println("Enter depositing amt");
      amt = sc.nextLong();
      balance = balance + amt;
  public void withdraw() {
      long amt;
      System.out.println("Enter amt you want to withdraw");
      amt = sc.nextLong();
          if (balance >= amt) {
              balance = balance - amt;
              System.out.println("Balance after withdrawl is " + balance);
          } else {
              System.out.println("Your balance is insufficient");
      } catch (Exception e) {
         System.out.println(e);
  static class Banking {
      public static void main(String[] args) {
          Scanner sc = new Scanner(System.in);
          System.out.println("bank details");
          System.out.println("1.Show the account");
          System.out.println("2.Deposit your amt");
          System.out.println("3.Withdraw the amt");
          System.out.println("What is your choice ?"),
          int ch;
          ch=sc.nextInt();
          switch (ch) {
             case 1:
                  BankAccount ob1 = new BankAccount();
                  System.out.println("Bank balance is " + ob1.balance + "Bank
account no. is" + ob1.accno);
                  break;
              case 2:
                  System.out.println("Account no. ? ");
                  String accno=sc.next();
                  System.out.println("enter amount ");
                  BankAccount ob2 = new BankAccount();
                  System.out.println("now balance is " + ob2.balance);
```

```
import java.util.*;
6 usages
class BankAccount {
    2 usages
    private int accno;
    10 usages
    private double balance;
    2 usages
    Scanner sc = new Scanner(System.in);

public void show() {
        System.out.println("Account no. is " + accno);
        System.out.println("Balance is " + balance);
}

public void deposit() {
        long amt;
        System.out.println("Enter depositing amt");
        amt = sc.nextLong();
        balance = balance + amt;
}
```

```
public void withdraw() {
    long amt;
    System.out.println("Enter amt you want to withdraw");
    amt = sc.nextLong();
        if (balance >= amt) {
            balance = balance - amt;
            System.out.println("Balance after withdrawl is " + balance
        } else {
            System.out.println("Your balance is insufficient");
    } catch (Exception e) {
        System.out.println(e);
                                    89_Yukti_Pant_DBDA
static class Banking {
   public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("bank details");
```

```
public static void main(String[] args) {
   Scanner sc = new Scanner(System.in);
   System.out.println("bank details");
   System.out.println("1.Show the account");
   System.out.println("2.Deposit your amt");
   System.out.println("3.Withdraw the amt");
   System.out.println("What is your choice ?"); // 89_Yukti_Pant_DBDA
   ch=sc.nextInt();
   switch (ch){
            BankAccount ob1 = new BankAccount();
            System.out.println("Bank balance is " + ob1.balance + "Bank account no. is"
           System.out.println("Account no. ? ");
            String accno=sc.next();
           System.out.println("enter amount ");
            BankAccount ob2 = new BankAccount();
            System.out.println("now balance is " + ob2.balance);
            System.out.println("Account no. ?");
```

```
case 2:
    System.out.println("Account no. ? ");
    String accno=sc.next();
    System.out.println("enter amount ");
    BankAccount ob2 = new BankAccount();
    System.out.println("now balance is " + ob2.balance);
    break;

case 3:
    System.out.println("Account no. ?");
    accno=sc.next();
    System.out.println("Enter amount ");
    BankAccount ob3 = new BankAccount();
    System.out.println("now balance is "+ob3.balance);
    break;
}
}
}
```

bank details

1. Show the account

2. Deposit your amt

3. Withdraw the amt
What is your choice ?

Account no. ?

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enter amount
now balance is 0.0

Process finished with exit code 0

```
3.
class Shape {
   void draw() {
      System.out.println("Lets draw shapes");
 void erase(){
      System.out.println("Now erasing shapes");
class Circle extends Shape{
  @Override
  void draw() {
      System.out.println("Lets draw a circle");
  @Override
   void erase() {
      System.out.println("Now erasing circle");
class Triangle extends Shape{
  @Override
  void draw() {
      System.out.println("Lets draw a triangle");
  @Override
  void erase() {
      System.out.println("Now erasing triangle");
class Square extends Shape{
  @Override
  void draw() {
      System.out.print("Lets draw a square");
 @Override
  void erase() {
      System.out.println("Now erasing square");
public class Solutions {
  public static void main(String[] args) {
      Shape c=new Circle();
```

```
Class Shape {
    3 usages   3 overrides
    void draw() {
        System.out.println("Lets draw shapes");
    }
    3 usages   3 overrides
    void erase() {
        System.out.println("Now erasing shapes");
    }
}

1 usage

Class Circle extends Shape {
        3 usages
        @Override
    void draw() {
            System.out.println("Lets draw a circle");
        }
        3 usages
        @Override
    void erase() {
            System.out.println("Now erasing circle");
        }
        3 usages
        @Override
    void erase() {
            System.out.println("Now erasing circle");
        }
}
```

```
1 usage

3 usages

@Override

void draw() {

System.out.println("Lets draw a triangle");

}

3 usages

@Override

void erase() {

System.out.println("Now erasing triangle");

}

3class Square extends Shape{
3 usages

@Override

void draw() {

System.out.print("Lets draw a square");

}

3 usages

@Override

void draw() {

System.out.print("Lets draw a square");

}

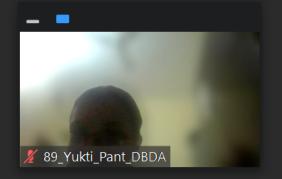
3 usages

@Override
```

$\underline{\texttt{C:} Users} \\ \underline{\texttt{ZS283MZ}}. \\ \underline{\texttt{jdks}} \\ \underline{\texttt{corretto-15.0.2}} \\ \underline{\texttt{bin}} \\ \underline{\texttt{java}} \\ \underline{\texttt{exe}} \\ \underline{\texttt{"-java}} \\ \underline{\texttt{gent:}} \\ \underline{\texttt{C:}} \\ \underline{\texttt{Prog}} \\ \underline{\texttt{C:}} \\ \underline{\texttt{MZ}} \\ \underline{\texttt{C:}} \\ \underline{\texttt{MZ}} \\ \underline{\texttt{C:}} \\ \underline{\texttt{MZ}} \\ \underline{\texttt{C:}} \\ \underline{\texttt{MZ}} \\ \underline{$

Lets draw a circle
Now erasing circle
Lets draw a triangle
Now erasing triangle
Lets draw shapes
Now erasing shapes

Process finished with exit code 0



```
@Override
    void erase() {
        System.out.println("Now erasing square");
 public class Solutions{
    public static void main(String[] args) {
        Shape c=new Circle();
                                                    89_Yukti_Pant_DBDA
        Shape t=new Triangle();
        Shape s=new Shape();
        c.draw();
        c.erase();
        t.draw();
        t.erase();
        s.draw();
        s.erase();
4.
class GrandParent {
   public String grandFatherName;
  public String grandMotherName
   GrandParent(String F, String M) {
       grandFatherName = F;
       grandMotherName = M;
       System.out.println("Grandfather's name is " + grandFatherName +
               " Grandmother's name is " + grandMotherName);
class Parent extends GrandParent{
       String FatherName;
      String MotherName;
   Parent(String F, String M) {
       super(F, M);
       System.out.println("Father's name is", +FatherName+" Mother's name is
"+MotherName);
   public class Child extends Parent {
         Child(String F, String M) {
               super(F, M);
```

```
| Class GrandParent {
| 4 usages | public String grandFatherName; | 4 usages | public String grandMotherName; | 1 usage | 2 mandParent(String F, String M) {
| grandParent(String F, String M) {
| grandFatherName = F; | grandMotherName = M; | System.out.println("Grandfather's name is " + grandFatherName + | " Grandmother's name is " + grandMotherName); | 2 | 3 usages | String FatherName; | 3 usages | String FatherName; | 3 usages | String MotherName; | 3 usages | 3
```