WEEK 9

Question 1: Create a class Vehicle, write a method cost() in this class. Create two classes Bus and Train which have their own display() methods and inherit from Vehicle class. Create objects of Bus and Train class and call cost() and display() methods.

```
Vehicle.java
Code:
           package transport.land.vehicle;
           public class Vehicle {
              protected String name;
              protected String startingPoint, destination;
              protected double fairCost;
              public Vehicle(String name, String startingPoint, String destination, double
           fairCost) {
                this.name = name;
                this.startingPoint = startingPoint;
                this.destination = destination;
                this.fairCost = fairCost:
              public Vehicle() { this("Unknown", "Unknown", "Unknown", 0); }
              public void cost(){ System.out.println("Fair cost: " + fairCost + " \n"); }
            }
            Bus.java
            package transport.land.vehicle;
            public class Bus extends Vehicle {
              private final int passengerCapacity;
              private final String busType;
              Bus(String name, String start, String dest, double fairCost, int
            passengerCapacity, String busType) {
                 super(name, start, dest, fairCost);
                 this.passengerCapacity = passengerCapacity;
                 this.busType = busType;
              public void display(){
                 System.out.println("Bus Name: " + name);
                 System.out.println("BusType: " + busType);
                 System.out.println("Passenger Capacity: " + passengerCapacity);
```

24CABSA520 MOHD, AYAN KHAN

super.cost();

System.out.printf("Route: %s to %s. \n", startingPoint, destination);

Train.java

```
package transport.land.vehicle;
public class Train extends Vehicle {
  private int numberOfCoaches;
  private int trainNumber;
  Train(String name, String start, String dest, double fairCost, int
numberOfCoaches, int trainNumber) {
     super(name, start, dest, fairCost);
     this.numberOfCoaches = numberOfCoaches;
     this.trainNumber = trainNumber;
  public void display(){
     System.out.println("Train Name: " + name);
     System.out.println("Train number: " + trainNumber);
     System.out.println("Number of coaches: " + numberOfCoaches);
    System.out.printf("Route: %s to %s. \n", startingPoint, destination);
     super.cost();
}
Main.java
package transport.land.vehicle;
public class Main {
   public static void main(String[] args) {
     Train Shatabdi = new Train("Shatabdi Express", "Delhi", "Lucknow",
1200.0, 16, 12015);
     Shatabdi.display();
     Bus volvo = new Bus("Volvo Bus", "AMU", "Delhi", 1500.0, 50, "AC
Sleeper");
     volvo.display();
```

Output: "C:\Program Files\Java\OpenJDK\jdk-25\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2025.2.1\lib\idea rt.jar=60260" -Dfile.encoding=UTF-8 -Dsun.stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8 -classpath "D:\Uni Material\LAB\sem 3\Week 9\Question1\target\classes" transport.land.vehicle.Main

Train Name: Shatabdi Express

Train number: 12015

Number of coaches: 16

Route: Delhi to Lucknow.

Fair cost: 1200.0

Bus Name: Volvo Bus

BusType: AC Sleeper

Passenger Capacity: 50

Route: AMU to Delhi.

Fair cost: 1500.0

Process finished with exit code 0

Question 2: Create class University which has data members- name and ranking. Create class Faculty that extends University class has data member- name and method- Details(). Create a new class Department which is derived from Faculty and has data member- name, chairman and method- Details() and Display() where Display() method calls Details() methods of both Faculty and Department class in its body. Create an object of Department class to Display() method and University ranking.

```
Code:
          University.java
          package university;
          class University {
            protected String uniName;
            protected int ranking;
            public University(String uniName, int ranking) {
               this.uniName = uniName;
               this.ranking = ranking;
            public void showRanking() {
               System.out.println("University Ranking: " + ranking);
          Faculty.java
          package university;
          class Faculty extends University {
            protected String facultyName;
            public Faculty(String uniName, int ranking, String facultyName) {
               super(uniName, ranking);
               this.facultyName = facultyName;
            public void Details() {
               System.out.println("University Name: " + this.uniName);
              System.out.println("Faculty Name: " + facultyName);
          }
          Department.java
         package university;
         class Department extends Faculty {
           private String deptName, chairman;
           public Department(String uniName, int ranking, String facultyName, String
         deptName, String chairman) {
              super(uniName, ranking, facultyName);
              this.deptName = deptName;
              this.chairman = chairman;
            }
           public void Details() {
              System.out.println("Department Name: " + deptName);
              System.out.println("Chairman: " + chairman);
           public void Display() {
              super.Details(); this.Details();
```

```
Code: Main.java
        package university;
        public class Main {
           public static void main(String[] args) {
             Department CSDept = new Department ("Aligarh Muslim University", 9,
                  "Science Faculty", "Computer Science Department", "ARF");
             CSDept.Display();
             CSDept.showRanking();
           "C:\Program Files\Java\OpenJDK\jdk-25\bin\java.exe" "-javaagent:C:\Program
Output:
           Files\JetBrains\IntelliJ IDEA 2025.2.1\lib\idea_rt.jar=57461" -Dfile.encoding=UTF-8 -
           Dsun.stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8 -classpath "D:\Uni
           Material\LAB\sem 3\Week 9\Question2\target\classes" university.Main
           University Name: Aligarh Muslim University
           Faculty Name: Science Faculty
           Department Name: Computer Science Department
           Chairman: ARF
           University Ranking: 9
           Process finished with exit code 0
Question 3: Create class Account (Data members-Id,
               Account holder name, Address; Methodsdeposit(),
               withdraw()). Create two static methods in Account
               calculateSimpleInterest() and calculateCompoundInterest()
               and implement them.
Code:
             Main.java
             package bank.account;
             public class Main {
               public static void main(String[] args) {
                 Account acc1 = new Account(151, "Lalu", "Champaran, Bihar", 500);
                 acc1.deposit(2000);
                 acc1.withdraw(1500);
                 double si = Account.calculateSimpleInterest(10000, 5, 2);
                 double ci = Account.calculateCompoundInterest(10000, 5, 2);
                 System.out.printf("Simple Interest = \%.2f", si);
                 System.out.printf("Compound Interest = \%.2f", ci);
                 acc1.details();
       24CABSA520
                                                                     MOHD. AYAN KHAN
```

```
Account.java
package bank.account;
public class Account {
  private int id;
  private String accountHolderName, address;
  private double balance;
  public Account(int id, String accountHolderName, String address, double balance) {
     this.id = id;
     this.accountHolderName = accountHolderName;
     this.address = address:
     this.balance = balance;
  public void deposit(double amount) {
     if (amount > 0)
       balance += amount;
       System.out.println(amount + " deposited! New Balance = " + balance);
     } else
       System.out.println("Invalid deposit amount.");
  public void withdraw(double amount) {
     if (amount > 0 \&\& amount \le balance) {
       balance -= amount:
       System.out.println(amount + " withdrawn! New Balance = " + balance);
     } else
       System.out.println("Insufficient balance or invalid amount.");
  public static double calculateSimpleInterest(double principal, double rate, double time) {
     return (principal * rate * time) / 100.0;
  public static double calculateCompoundInterest(double principal, double rate, double time) {
     return principal * (Math.pow((1 + rate / 100.0), time) - 1);
  public void details(){
     System.out.println("Id: " + id);
     System.out.println("Account Holder Name: " + accountHolderName);
     System.out.println("Address: " + address);
     System.out.println("Balance: " + balance);
```

Output:

"C:\Program Files\Java\OpenJDK\jdk-25\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2025.2.1\lib\idea_rt.jar=57472" -Dfile.encoding=UTF-8 -Dsun.stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8 -classpath "D:\Uni Material\LAB\sem 3\Week 9\Question3\target\classes" bank.account.Main

2000.0 deposited! New Balance = 2500.0

1500.0 withdrawn! New Balance = 1000.0

Simple Interest = 1000.00Compound Interest = 1025.00ld: 151

Account Holder Name: Lalu

Address: Champaran, Bihar

Balance: 1000.0

Process finished with exit code 0

Question 4: Create class Account (Data members- Id,

Account_holder_name, Address; Methodsdeposit(), withdraw()). Declare deposit() and withdraw() as abstract methods. Declare Account class as abstract. (Create constructor in Account as well).

Code: <u>Main.java</u>

Code: Account.java

```
package bank.account;
abstract class Account {
  protected int id;
  protected String accountHolderName, address;
  protected double balance;
  public Account(int id, String accountHolderName, String address, double balance) {
    this.id = id:
    this.accountHolderName = accountHolderName;
    this.address = address;
    this.balance = balance;
  public abstract void deposit(double amount);
  public abstract void withdraw(double amount);
  public void showDetails() {
     System.out.println("Account ID: " + id);
     System.out.println("Holder Name: " + accountHolderName);
     System.out.println("Address: " + address);
    System.out.println("Balance: " + balance);
}
 SavingsAccount.java
package bank.account;
class SavingsAccount extends Account {
  public SavingsAccount(int id, String accountHolderName, String address, double
balance) {
    super(id, accountHolderName, address, balance);
  public void deposit(double amount) {
    if (amount > 0)
       balance += amount;
       System.out.println(amount + " deposited. Balance = " + balance);
     } else
       System.out.println("Invalid deposit amount.");
  public void withdraw(double amount) {
    if (amount > 0 \&\& amount \leq balance) {
       balance -= amount;
       System.out.println(amount + " withdrawn. Balance = " + balance);
     } else
       System.out.println("Insufficient balance or invalid amount.");
```

 $\underline{Output:} \ "C:\Program Files\Java\OpenJDK\jdk-25\bin\java.exe" "-javaagent:C:\Program Files\Java\OpenJDK\jdk-25\bin\java.exe" "-javaagent:C:\Program Files\Java\OpenJDK\jdk-25\bin\java.exe" "-javaagent:C:\Program Files\Java\OpenJDK\jdk-25\bin\java.exe" "-javaagent:C:\Program Files\Java\OpenJDK\jdk-25\bin\java.exe" "-javaagent:C:\Program Files\Java\OpenJDK\jdk-25\bin\java.exe" "-javaagent:C:\Program Files\Java\OpenJDK\jdk-25\bin\Java\OpenJDK\jdk-25\bin\Java\OpenJDK\jdk-25\bin\Java\OpenJDK\jdk-25\bin\Java\OpenJDK\jdk-25\bin\Java\OpenJDK\jdk-25\bin\Java\OpenJDK\Java\Open$ Files\JetBrains\IntelliJ IDEA 2025.2.1\lib\idea rt.jar=57477" -Dfile.encoding=UTF-8 -Dsun.stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8 -classpath "D:\Uni Material\LAB\sem 3\Week 9\Question4\target\classes" bank.account.Main

2000.0 deposited. Balance = 7000.0

1000.0 withdrawn. Balance = 6000.0

Account ID: 101

Holder Name: Hamzah

Address: Aligarh

Balance: 6000.0

Process finished with exit code 0

Question 5: Create two children of Account- Saving (Data Members-Min balance; Methodsdisplay(), deposit(), withdraw()) and Current (Data MembersMax withdrawl limit; Methods-display(),deposit(), withdraw()). Create constructors for both classes. Implementation of deposit() and withdraw() should be specific to Saving and Current class. Create objects of Saving and Current class and display them.

Code: Main.java

```
package bank.account;
public class Main {
  public static void main(String[] args) {
    SavingsAccount sAcc = new SavingsAccount(101, "Jhingur", "Aligarh", 5000);
    sAcc.display();
    sAcc.deposit(2000);
    sAcc.withdraw(6000);
    sAcc.withdraw(3000);
    System.out.println();
    CurrentAccount cAcc = new CurrentAccount(102, "Chidiya", "Delhi", 350000);
    cAcc.display();
    cAcc.deposit(200000);
    cAcc.withdraw(515000);
    cAcc.withdraw(115600);
```

83

```
Code: Account.java
       package bank.account;
        abstract class Account {
          protected int id;
          protected String accountHolderName;
          protected String address;
          protected double balance;
          public Account(int id, String accountHolderName, String address, double balance) {
            this.id = id;
            this.accountHolderName = accountHolderName;
            this.address = address:
            this.balance = balance;
          public abstract void deposit(double amount);
          public abstract void withdraw(double amount);
          public void showDetails() {
            System.out.println("Account ID: " + id);
            System.out.println("Holder Name: " + accountHolderName);
            System.out.println("Address: " + address);
            System.out.println("Balance: " + balance);
       SavingsAccount.java
       package bank.account;
       class SavingsAccount extends Account {
         private final double minBalance = 1000;
         public SavingsAccount(int id, String accountHolderName, String address, double
       balance) {
            super(id, accountHolderName, address, balance);
         @Override
         public void deposit(double amount) {
            if (amount > 0) {
              balance += amount;
              System.out.println(amount + " deposited in Savings Account. Balance = " +
       balance);
         @Override
         public void withdraw(double amount) {
            if (amount > 0 \&\& (balance - amount) >= minBalance) {
              balance -= amount:
              System.out.println(amount + " withdrawn from Savings Account. Balance = " +
       balance);
```

```
Code: <u>SavingsAccount.java</u>
              else {
               System.out.println("Cannot withdraw! Minimum balance requirement not
        met."):
          public void display() {
             showDetails();
             System.out.println("Minimum Balance: " + minBalance);
        }
        CurrentAccount.java
        package bank.account;
        class CurrentAccount extends Account {
          private final double maxWithdrawalLimit = 500000;
          public CurrentAccount(int id, String accountHolderName, String address, double
        balance) {
            super(id, accountHolderName, address, balance);
          @Override
          public void deposit(double amount) {
            if (amount > 0) {
               balance += amount;
               System.out.println(amount + " deposited in Current Account. Balance = " +
        balance);
          @Override
          public void withdraw(double amount) {
            if (amount > 0 && amount <= maxWithdrawalLimit) {
               balance -= amount:
               System.out.println(amount + " withdrawn from Current Account. Balance = " +
        balance);
             } else {
               System.out.println("Cannot withdraw! Insufficient Balance or Exceeds max
        withdrawal limit.");
             }
          public void display() {
            showDetails();
            System.out.println("Maximum Withdrawal Limit: " + maxWithdrawalLimit);
```

Output: "C:\Program Files\Java\OpenJDK\jdk-25\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2025.2.1\lib\idea_rt.jar=59004" -Dfile.encoding=UTF-8 -Dsun.stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8 -classpath "D:\Uni Material\LAB\sem 3\Week 9\Question5\target\classes" bank.account.Main

Account ID: 101

Holder Name: Jhingur

Address: Aligarh Balance: 5000.0

Minimum Balance: 1000.0

2000.0 deposited in Savings Account. Balance = 7000.0

6000.0 withdrawn from Savings Account. Balance = 1000.0

Cannot withdraw! Minimum balance requirement not met.

Account ID: 102

Holder Name: Chidiya

Address: Delhi

Balance: 350000.0

Maximum Withdrawal Limit: 500000.0

200000.0 deposited in Current Account. Balance = 550000.0

Cannot withdraw! Insufficient Balance or Exceeds max withdrawal limit.

115600.0 withdrawn from Current Account. Balance = 434400.0

Process finished with exit code 0

OPTIONAL

Question 6: Create a class Shape with a method area(). Create two derived classes Rectangle and Circle that extend Shape. Each class should override the area() method to calculate the area of the respective shape. Create objects of Rectangle and Circle and call their area() methods.

```
Main.java
package shape;
public class Main {
   public static void main(String[] args) {
     Shape rect = new Rectangle(5, 10);
     Shape circle = new Circle(7);
     rect.area();
     circle.area();
 Shape.java
package shape;
abstract public class Shape {
  abstract void area();
Rectangle.java
package shape;
class Rectangle extends Shape {
  private double length, breadth;
  Rectangle(double length, double breadth) {
    this.length = length;
    this.breadth = breadth;
  @Override
  public void area() {
    double result = length * breadth;
    System.out.printf("Area of Rectangle: %.4f \n", result);
 Shape.java
package shape;
class Circle extends Shape {
   private double radius;
   Circle(double radius) {
     this.radius = radius;
   @Override
   void area() {
     double result = Math.PI * radius * radius;
     System.out.printf("Area of Circle: %.4f \n", result);
```

 $\underline{Output:} \ \ \underline{"C:\operatorname{Program Files\Java\OpenJDK\jdk-25\bin\java.exe"}} \ \ \underline{"-javaagent:C:\operatorname{Program Files\Java\OpenJDK\jdk-25\bin\java.exe"}} \ \ \underline{"-javaagent:C:\operatorname{Program Files\Java\Appendouble}} \ \ \underline{"-javaagent:C:\operatorname{Program Files\Java\Appendouble}} \ \ \underline{"-javaagent:C:\operatorname{Program Files\Java\Appendouble}} \ \ \underline{"-javaagent:C:\operatorname{Program Files\Appendouble}} \ \ \underline{"-javaagent:C:\operatorname{Program Files$ Files\JetBrains\IntelliJ IDEA 2025.2.1\lib\idea rt.jar=58298" -Dfile.encoding=UTF-8 -Dsun.stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8 -classpath "D:\Uni Material\LAB\sem 3\Week 9\Question6\target\classes" shape.Main

Area of Rectangle: 50.0000

Area of Circle: 153.9380

Process finished with exit code 0

Question 7: Create a class Employee with data members: name, salary, and a method showDetails(). Create a class Manager that extends Employee with an additional data member department. Override the showDetails() method in Manager to display all details, including department. Create an object of Manager and call showDetails().

```
Code: Main.java
```

```
package neela.kapda;
public class Main {
  public static void main(String[] args) {
     Manager m1 = new Manager("Faraz Ansari", 85000, "Computer Science");
    m1.showDetails();
Employee.java
package neela.kapda;
public class Employee {
  protected String name;
  protected double salary;
  Employee(String name, double salary) {
     this.name = name;
     this.salary = salary;
  public void showDetails() {
     System.out.println("Employee Name: " + name);
     System.out.println("Salary: " + salary);
```

Code: Manager.java

```
package neela.kapda;
public class Manager extends Employee {
  private String department;
  Manager(String name, double salary, String department) {
    super(name, salary);
    this.department = department;
  @Override
  public void showDetails() {
    super.showDetails();
    System.out.println("Department: " + department);
```

Output: "C:\Program Files\Java\OpenJDK\jdk-25\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2025.2.1\lib\idea_rt.jar=53420" -Dfile.encoding=UTF-8 -Dsun.stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8 -classpath "D:\Uni Material\LAB\sem 3\Week 9\Question7\target\classes" neela.kapda.Main

Employee Name: Faraz Ansari

Salary: 85000.0

Department: Computer Science

Process finished with exit code 0

Question 8: Create an abstract class Appliance with data members brand, power and abstract methods turnOn() and turnOff(). Create two derived classes WashingMachine and Refrigerator that provide their own implementations of turnOn() and turnOff(). Create objects of WashingMachine and Refrigerator and call their methods.

Code: Main.java

```
package appliance;
public class Main {
  public static void main(String[] args) {
    WashingMachine wm = new WashingMachine("Samsung", 1500);
    Refrigerator rf = new Refrigerator("LG", 800);
    wm.turnOn(); wm.turnOff();
    rf.turnOn(); rf.turnOff();
```

89 Code: Appliance.java package appliance; public abstract class Appliance { protected String brand; protected int power; Appliance(String brand, int power) { this.brand = brand; this.power = power; abstract protected void turnOn(); abstract protected void turnOff(); Refrigerator.java package appliance; public class Refrigerator extends Appliance { Refrigerator(String brand, int power) { super(brand, power); @Override public void turnOn() { System.out.println(brand + "Refrigerator is cooling. Power: " + power + "W"); @Override public void turnOff() { System.out.println(brand + " Refrigerator is turned OFF."); } Washing Machine. javapackage appliance; public class WashingMachine extends Appliance { WashingMachine(String brand, int power) { super(brand, power); @Override public void turnOn() { System.out.println(brand + " Washing Machine is now ON. Power: " + power + "W"): @Override public void turnOff() { System.out.println(brand + " Washing Machine is now OFF.");

Output: "C:\Program Files\Java\OpenJDK\jdk-25\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2025.2.1\lib\idea_rt.jar=49601" -Dfile.encoding=UTF-8 -Dsun.stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8 -classpath "D:\Uni Material\LAB\sem 3\Week 9\Question8\target\classes" appliance.Main

Samsung Washing Machine is now ON. Power: 1500W

Samsung Washing Machine is now OFF.

LG Refrigerator is cooling. Power: 800W

LG Refrigerator is turned OFF.

Process finished with exit code 0

Question 9: Create a class MathOperations with two static methods: findGCD(int a, int b) to calculate the greatest common divisor and findLCM(int a, int b) to calculate the least common multiple. Call these methods without creating an object of MathOperations.

```
Code:
         Main.java
        package maths.operations;
        public class Main {
           public static void main(String[] args) {
             int a = 48, b = 18;
             int gcd = MathOperations.findGCD(a, b);
             int lcm = MathOperations.findLCM(a, b);
             System.out.println("GCD of " + a + " and " + b + " = " + gcd);
             System.out.println("LCM of " + a + " and " + b + " = " + lcm);
         MathOperations.java
        package maths.operations;
        class MathOperations {
           public static int findGCD(int a, int b) {
             while (b != 0)  {
                int temp = b;
                b = a \% b;
                a = temp;
             return a;
           public static int findLCM(int a, int b) {
             return (a * b) / findGCD(a, b);
```

Output: "C:\Program Files\Java\OpenJDK\jdk-25\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2025.2.1\lib\idea rt.jar=63870" -Dfile.encoding=UTF-8 -Dsun.stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8 -classpath "D:\Uni Material\LAB\sem 3\Week 9\Question9\target\classes" maths.operations.Main

```
GCD of 48 and 18 = 6
LCM of 48 and 18 = 144
```

Process finished with exit code 0

Question 10: Create a class Student with data members rollNo, name, marks. Add a static variable schoolName. Create static method changeSchoolName() to update schoolName. Demonstrate how the static variable is shared among all objects.

```
Code:
       Main.java
```

```
package students;
public class Main {
  public static void main(String[] args) {
    Student s1 = new Student( "Abdul",509, 91.6);
    Student s2 = new Student( "Ahad", 560, 90.9);
    System.out.println("Before changing school name:");
    s1.showDetails();
    s2.showDetails();
    Student.changeSchoolName("Saiyyid Hamid Senior Secondary School");
    System.out.println("After changing school name:");
    s1.showDetails();
    s2.showDetails();
```

```
Student.java
package students;
class Student {
  private String name;
  private int rollNo;
  private double marks;
  static String schoolName = "Aligarh Public School";
  Student(String name, int rollNo, double marks) {
    this.rollNo = rollNo;
    this.name = name;
    this.marks = marks;
  public static void changeSchoolName(String newSchoolName) {
    schoolName = newSchoolName;
  public void showDetails() {
    System.out.println("Roll No: " + rollNo);
     System.out.println("Name: " + name);
    System.out.println("Marks: " + marks);
    System.out.println("School: " + schoolName);
    System.out.println();
}
```

Output: "C:\Program Files\Java\OpenJDK\jdk-25\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2025.2.1\lib\idea_rt.jar=64250" -Dfile.encoding=UTF-8 -Dsun.stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8 -classpath "D:\Uni Material\LAB\sem 3\Week 9\Question10\target\classes" students.Main

Before changing school name:

Roll No: 509

Name: Abdul

Marks: 91.6

School: Aligarh Public School

Roll No: 560

Name: Ahad

Marks: 90.9

School: Aligarh Public School

After changing school name:

Roll No: 509

Name: Abdul

Marks: 91.6

School: Saiyyid Hamid Senior Secondary School

Roll No: 560

Name: Ahad

Marks: 90.9

School: Saiyyid Hamid Senior Secondary School

Process finished with exit code 0