

Slip 29

10 Marks:

```
java
Copy code
import java.util.Scanner;

class CountVowels {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter a string: ");
        String input = sc.nextLine();
        int vowelCount = 0;

        for (char c : input.toCharArray()) {
            if (c == 'a' || c == 'e' || c == 'i' || c == 'o' || c == 'u' ||
                c == 'A' || c == 'E' || c == 'I' || c == 'O' || c == 'U') {
                vowelCount++;
            }
        }

        System.out.println("Number of vowels: " + vowelCount);
    }
}
```

20 Marks:

```
java
Copy code
import java.util.Scanner;

class Employee {
    private int id;
    private String name;
    private double salary;

    public Employee(int id, String name, double salary) {
        this.id = id;
        this.name = name;
        this.salary = salary;
    }

    public void display() {
        System.out.println("ID: " + id + ", Name: " + name + ", Salary: " +
salary);
    }

    public double getSalary() {
        return salary;
    }
}

public class Main {
    public static void main(String[] args) {
```

```

Scanner sc = new Scanner(System.in);
System.out.print("Enter number of employees: ");
int n = sc.nextInt();
Employee[] employees = new Employee[n];

for (int i = 0; i < n; i++) {
    System.out.print("Enter ID: ");
    int id = sc.nextInt();
    sc.nextLine(); // Consume newline
    System.out.print("Enter Name: ");
    String name = sc.nextLine();
    System.out.print("Enter Salary: ");
    double salary = sc.nextDouble();
    employees[i] = new Employee(id, name, salary);
}

double totalSalary = 0;
System.out.println("Employee Details:");
for (Employee emp : employees) {
    emp.display();
    totalSalary += emp.getSalary();
}

System.out.println("Total Salary of Employees: " + totalSalary);
}
}

```