[01]

```
import java.util.Scanner;

public class GreaterNumber {
   public static void main(String[] args) {
      Scanner scanner = new Scanner(System.in);

      System.out.print("Enter the first number: ");
      int num1 = scanner.nextInt();

      System.out.print("Enter the second number: ");
      int num2 = scanner.nextInt();

      if (num1 > num2) {
         System.out.println("Sum of the numbers: " + (num1 + num2));
      } else {
         System.out.println("First number is not greater than the second number. Numbers are: " +
num1 + ", " + num2);
      }
   }
}
```

[2]

```
import java.util.Scanner;

public class AbsoluteNumber {
   public static void main(String[] args) {
      Scanner scanner = new Scanner(System.in);
```

```
        System.out.print("Enter an integer number: ");
        int number = scanner.nextInt();

        int absoluteValue = (number < 0) ? -number : number;

        System.out.println("Absolute value of " + number + " is: " + absoluteValue);
    }
}
```

[3]

```
import java.util.Scanner;

public class StudentMarks {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        System.out.print("Enter marks for Chemistry: ");
        int chemistry = scanner.nextInt();

        System.out.print("Enter marks for Physics: ");
        int physics = scanner.nextInt();

        System.out.print("Enter marks for Combined Math: ");
        int math = scanner.nextInt();

        int totalMarks = chemistry + physics + math;
        double average = totalMarks / 3.0;
```

```
        System.out.println("Total Marks: " + totalMarks);
        System.out.println("Average Marks: " + average);

        if (average > 75) {
            System.out.println("Pass");
        } else {
            System.out.println("Fail");
        }
    }
}
```

[4]

```
import java.util.Scanner;

public class SuperDraw {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        System.out.print("Enter unit price: ");
        double unitPrice = scanner.nextDouble();

        System.out.print("Enter amount bought: ");
        int quantity = scanner.nextInt();

        double total = unitPrice * quantity;

        if (total > 1500) {
            System.out.println("You are entitled to the super draw.");
        } else {
```

```
            System.out.println("Try again.");
        }
    }
}
```

[5]

```
import java.util.Scanner;

public class Discount {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        System.out.print("Enter unit price: ");
        double unitPrice = scanner.nextDouble();

        System.out.print("Enter amount bought: ");
        int quantity = scanner.nextInt();

        double total = unitPrice * quantity;

        if (total > 500) {
            double discount = 0.05 * total;
            double discountedTotal = total - discount;
            System.out.println("Discount: Rs. " + discount);
            System.out.println("New total after discount: Rs. " + discountedTotal);
        } else {
            System.out.println("No discount given.");
        }
    }
```

```
}
```

[06]

```
import java.util.Scanner;

public class LeapYear {
   public static void main(String[] args) {
      Scanner scanner = new Scanner(System.in);

      System.out.print("Enter a year: ");
      int year = scanner.nextInt();

      if ((year % 4 == 0 && year % 100 != 0) || (year % 400 == 0)) {
         System.out.println(year + " is a leap year.");
      } else {
         System.out.println(year + " is not a leap year.");
      }
   }
}
```

[7]

```
import java.util.Scanner;

public class CircleArea {
   public static void main(String[] args) {
      Scanner scanner = new Scanner(System.in);

      System.out.print("Enter the radius of the circle: ");
      double radius = scanner.nextDouble();
```

```
        double area = Math.PI * radius * radius;

        System.out.println("The area of the circle is: " + area);
    }
}
```

[08]

```
import java.util.Scanner;

public class ATMWithdrawal {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        // Assuming current balance and daily limit
        double currentBalance = 10000; // Example: Rs. 10,000
        double dailyLimit = 5000; // Example: Rs. 5,000

        System.out.print("Enter the amount to withdraw: ");
        double withdrawalAmount = scanner.nextDouble();

        if (withdrawalAmount > currentBalance) {
            System.out.println("Withdrawal amount exceeds current balance. Withdrawal refused.");
        } else if (withdrawalAmount > dailyLimit) {
            System.out.println("Withdrawal amount exceeds daily limit. Withdrawal refused.");
        } else {
            if (currentBalance < 5000) {
                double charge = 0.02 * withdrawalAmount;
                currentBalance -= (withdrawalAmount + charge);
                System.out.println("Withdrawal successful. Charge applied: Rs. " + charge);
```

```
        } else {
            currentBalance -= withdrawalAmount;
            System.out.println("Withdrawal successful. No charge applied.");
        }
        System.out.println("Current balance: Rs. " + currentBalance);
    }
  }
}
```

[9]

```
import java.util.Scanner;

public class MaxOfThree {
   public static void main(String[] args) {
      Scanner scanner = new Scanner(System.in);

      System.out.print("Enter the first number: ");
      int num1 = scanner.nextInt();

      System.out.print("Enter the second number: ");
      int num2 = scanner.nextInt();

      System.out.print("Enter the third number: ");
      int num3 = scanner.nextInt();

      int max = num1;
      if (num2 > max) {
         max = num2;
      }
```

```
    if (num3 > max) {
      max = num3;
    }

    System.out.println("Maximum number is: " + max);
  }
}
```

[10]

```
import java.util.Scanner;

public class OddEven {
  public static void main(String[] args) {
    Scanner scanner = new Scanner(System.in);

    System.out.print("Enter an integer number: ");
    int number = scanner.nextInt();

    if (number % 2 == 0) {
      System.out.println(number + " is even.");
    } else {
      System.out.println(number + " is odd.");
    }
  }
}
```

[12] A

[13]

A. 9

B. false

C. true

D. false

E. true

[14]

A. true

B. true

C. true

D. false

E. true

F. false

G. true

[15] 100

[18] E [19] C

[20]

[21]

[22] D

[23] H

[24] D

[25] E

[26] D

[27] E