

Q1.C

Q2.A

Q3.D

Q4.C

Q5.A

Q6.A

Q7.A

Q8.A

Q9.A

Q10.A

Q11.A

Q12.D

Q13.B-It will show the compile time error also since there is a duplicate getdata() method.

Q14.A

Q15.C

Q16.C

Q17. java program to check even or odd number

```
import java.util.Scanner;

public class Odd_even {

    public static void main(String[] args) {
        int n;
        Scanner sc= new Scanner(System.in);
        System.out.println("Enter the Number to check ODD/EVEN: ");
        n=sc.nextInt();
        if(n%2 ==0)
        {
            System.out.println(n+" Is an even number");
        }

        else
            System.out.println(n+" is an odd number");

    }
}
```

Q18. java program to find average of two numbers

```
package com.java;

import java.util.Scanner;

public class Average {
    public static void main(String[] args) {
        double n1, n2;
        Scanner sc= new Scanner(System.in);
        System.out.println("Enter the Number 1: ");
        n1=sc.nextInt();
        System.out.println("Enter the Number 2: ");
        n2=sc.nextInt();
        double avg=0;
        avg=(n1+n2)/2;
        System.out.println("average of the numbers is= "+avg);
    }
}
```

```
}
```

Q19 java program to swap two numbers

```
package com.java;

import java.util.Scanner;

public class Swapping {
    public static void main(String[] args) {
        int n1, n2, temp=0;
        Scanner sc= new Scanner(System.in);
        System.out.println("Enter two numbers for swapping :");
        System.out.println("n1=");
        n1=sc.nextInt();
        System.out.println("n1=");
        n2=sc.nextInt();
        temp=n1;
        n1=n2;
        n2=temp;
        System.out.println("Values after swapping");
        System.out.println("n1="+n1+" "+"n2="+n2);

    }
}
```

Q20 . java program to check whether a number is prime or not

```
package com.java;

import java.util.Scanner;

public class PrimeNumber {
    public static boolean isPrime(int n)
    {
        if(n<=1) {
            return false;
        }
        else {
            for(int i=2; i<(n/2);i++)
                if(n%i==0)
                {
                    return false;
                }
            } return true;
        }

    public static void main(String[] args) {
        int n;
        Scanner sc= new Scanner(System.in);
        System.out.println("Enter the Number to check Prime number or
not: ");
        n=sc.nextInt();
        if (isPrime(n)) {
            System.out.println(n + " is a prime number");
        } else {
            System.out.println(n + " is not a prime number");
        }
    }
}
```

```

    }
}
}

```

Q21. java program to find table of n

```

package com.java;

import java.util.Scanner;

public class TableOf_n {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter number: ");

        int num=sc.nextInt();

        for(int i=1; i <= 10; i++)
        {

            System.out.println(num+" * "+i+" = "+num*i);
        }
    }
}

```

Q22. java program to find the largest of three numbers.

```

package com.java;

import java.util.Scanner;

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

        int a, b, c, temp,largest;

        Scanner sc = new Scanner(System.in);

        System.out.println("Enter the first number:");
        a = sc.nextInt();
        System.out.println("Enter the second number:");
        b = sc.nextInt();
        System.out.println("Enter the third number:");
        c = sc.nextInt();
        temp = a>b?a:b;
        largest=c>temp?c:temp;
        System.out.println("Largest number is "+largest);
    }
}

```

Q23. java program to calculate Simple Interest

```
package com.java;

import java.util.Scanner;

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

        Scanner sc = new Scanner(System.in);

        System.out.print("Enter the principal amount: ");
        double principal = sc.nextDouble();

        System.out.print("Enter the rate: ");
        double rate = sc.nextDouble();

        System.out.print("Enter the time: ");
        double time = sc.nextDouble();

        double interest = (principal * time * rate) / 100;

        System.out.println("Simple Interest: " + interest);

    }
}
```

Q24 java program to calculate Area and perimeter of Rectangle

```
package com.java;
import java.util.Scanner;
public class AreaOfReactangle {
    public static void main(String[] args) {

        float length, width, area, perimeter;
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter length of rectangle: ");
        length = sc.nextFloat();
        System.out.print("Enter width of rectangle: ");
        width = sc.nextFloat();

        perimeter = 2 * (length + width);
        area = length * width;

        System.out.println("Perimeter of rectangle is " + perimeter +
" units.");
        System.out.println("Area of rectangle is " + area + " sq.
units.");
    }
}
```

Q25 . java program to check whether character is vowel or consonant

```
package com.java;

import java.util.Scanner;

public class Vowel {

    public static void main(String[] arg)
    {
        int i=0;
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter a character : ");
        char ch=sc.next().charAt(0);

        switch(ch)
        {
            case 'a' :
            case 'e' :
            case 'i' :
            case 'o' :
            case 'u' :
            case 'A' :
            case 'E' :
            case 'I' :
            case 'O' :
            case 'U' :i++;
        }

        if(i==1)
            System.out.println("Entered character "+ch+" is Vowel");
        else
            if((ch>='a'&&ch<='z')||(ch>='A'&&ch<='Z'))
                System.out.println("Entered character "+ch+" is Consonent");
            else
                System.out.println("Not an alphabet");
        }
    }
}
```