# Test No-1

Q1. What is JVM? [1 m]

Q2. What is JIT? [1 m]

Q3. How is java secure? [1 m]

Q4. How is java platform independent? [1 m]

Q5. Write a java program to perform all mathematical operations. [1 m]

Q6. Write a program to check the number is even or odd (take user input). [2 m]

Q7. Write a program to check the year is leap year or not. [3 m]

Q8. Write a program to calculate the grade of the student. [4 m]

Input: Marks of 5 subject

|  |  |
| --- | --- |
| 90-100 | A |
| 75-89 | B |
| 60-74 | C |
| 40-59 | D |
| <40 | Fail |

Output:

Q9. Write the output of following scenarios: [4X 1m= 4 m]

Note: State reasons if there is an error or exception

**public** **class** Q\_1 {

**public** **static** **void** main(String[] args) {

**int** i ;

i += 20 ;

**byte** b1 ;

b1 += 4;

**int** ans = i+b1;

System.***out***.println(ans);

} }



**public** **class** Q\_1 {

**public** **static** **void** main(String[] args) {

int a= 20;

a |= 9;

System.***out***.println(" & " +a);

} }

1. What will be output of following code. **[1m]**

**public** **class** Test {

**public** **static** **void** main(String[] args) {

**short** s1 = 2000;

**short** s2 = 320;

System.***out***.println(s1 + s2);

**char** c1 = 'd';

**char** c2 = 'e';

**char** c3 =c1 + c2;

System.***out***.println(c3);

} }

1. What will be output of following code. **[1m]**

**public** **class** Test {

**public** **static** **void** main(String[] args) {

**int** a = 5;

**int** b =20;

System.***out***.println(a++ + --b + --b + b/a + --a \* b++);

System.***out***.println("a= " + a + " b= " + b);

}

}