

**School of Computer Science and Engineering**  
**MCQ for Programming Ability and Logic Building – 1**  
**Java Programming**  
**Practice Set - 1**  
**(26-01-2026 to 07-02-2026)**

**Question 1**

**What is the output for the below code ?**

```
public class A {  
    int k;  
    boolean istrue;  
    static int p;  
  
    public void printValue() {  
        System.out.print(k);  
        System.out.print(istrue);  
        System.out.print(p);  
    }  
}  
public class Test{  
    public static void main(String argv[]){  
        A a = new A();  
        a.printValue();  
    }  
}
```

**Options are**

☒ A.0 false 0   B.0 true 0   C.0 0 0

D. Compile error - static variable must be initialized before use.

**Question - 2**

**What is the output for the below code ?**

```
public class Test{  
    int _$;  
    int $7;  
    int do;  
    public static void main(String argv[])  
    {  
        Test test = new Test();  
        test.$7=7;  
        test.do=9;  
        System.out.println(test.$7);  
    }  
}
```

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```
        System.out.println(test.do);
        System.out.println(test._$);
    }
}
```

**Options are**

A.7 9 0

B.7 0 0

C.Compile error - \_\$ is not valid identifier.

☒ D.Compile error - do is not valid identifier.

**Question - 3**

**What is the output for the below code ?**

```
public class Test { //1
    public static void main(String[] args){ //2
        int i = 010; //3
        int j = 07; //4
        System.out.println(i);
        //5
        System.out.println(j);
        //6
    } //7
} //8
```

**Options are**

☒ A.8 7

B.10 7

C.Compilation fails with an error at line 3

D.Compilation fails with an error at line 5

**Question - 4**

**What is the output for the below code ?**

```
public class Test { //1
    public static void main(String[] args){ //2
        byte b = 6; //3
        b+=8; //4
    }
```

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```
        System.out.println(b); //5
        b = b+7; //6
        System.out.println(b); //7
    } //8
} //9
```

**Options are**

- A. 14 21
- B. 14 13
- ☒ C. Compilation fails with an error at line 6
- D. Compilation fails with an error at line 4

**Question - 5**

**What is the output for the below code ?**

```
public class Test {
    public static void main(String[] args)
    {
        String value = "abc";
        changeValue(value);
        System.out.println(value);
    }
    public static void changeValue(String a)
    {
        a = "xyz";
    }
}
```

**Options are**

- ☒ A. abc
- B. xyz
- C. Compilation fails
- D. Compilation clean but no output

**Question - 6**

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You have two class files name Test.class and Test1.class inside javaproject directory.

Test.java source code is :

```
public class Test{
    public static void main (String[] args)
    {
        System.out.println("Hello Test");
    }
}
```

Test1.java source code is :

```
public class Test1{
    public static void main (String[] args)
    {
        System.out.println("Hello Test1");
    }
}
```

You have issued below commands from command prompt.

```
cd javaproject
java Test Test1
```

What is the output ?

Options are

- ☒ A.Hello Test
- ☐ B.Hello Test Hello Test1
- ☐ C.Hello Test1
- ☐ D.Run fails - class not found

Question - 7

What is the output for the below code ?

```
public class Test {
```

//1

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```
public static void main(String... args) {           //2
    int x =5;                                       //3
    x *= 3 + 7;                                     //4
    System.out.println(x);                         //5
    }                                              //6
}                                                  //7
```

**Options are**

- A.22
- ☒ B.50
- C.10
- D.Compilation fails with an error at line 4

**Question - 8**

**What is the output for the below code ?**

```
public class Test
{
    public static void main(String... args)
    {
        int a =5 , b=6, c =7;
        System.out.println("Value is "+ b +c);
        System.out.println(a + b +c);
        System.out.println("String "+(b+c));
    }
}
```

**Options are**

- ☒ A.Value is 67 18 String 13
- B.Value is 13 18 String 13
- C.Value is 13 18 String
- D.Compilation fails

**Question 9**

**A byte can be of what size**

- ☒ A. -128 to 127
- B. (-2 power 8 )-1 to 2 power 8

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C. -255 to 256

D. depends on the particular implementation of the Java Virtual machine

**Question 10**

What will be printed out if this code is run with the following command line?

`java myprog good morning`

```
public class myprog
{
    public static void main(String argv[])
    {
        System.out.println(argv[2])
    }
}
```

A. myprog

B. good

C. morning

☒ D. Exception raised: "java.lang.ArrayIndexOutOfBoundsException: 2"

**Question 11**

Which of the following are legal identifiers

A. 2variable

☒ B. variable2

☒ C. \_whatavariab

☒ D. \_3\_

☒ E. \$anothervar

F. #myvar

**Question 12**

What will happen when you compile and run the following code?

```
public class MyClass{
    static int i;
    public static void main(String argv[])
```

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```
        {  
            System.out.println(i);  
        }  
    }
```

- A. Error Variable i may not have been initialized
- B. null
- C. 1
- ☒ D. 0

**Question 13**

What will happen if you try to compile and run the following code?

```
public class Q  
{  
    public static void main(String argv[])  
    {  
        int anar[]=new int[]{1,2,3};  
        System.out.println(anar[1]);  
    }  
}
```

- A. 1
- B. Error anar is referenced before it is initialized
- ☒ C. 2
- D. Error: size of array must be defined

**Question 14**

What will happen if you try to compile and run the following code?

```
public class Q  
{  
    public static void main(String argv[])  
    {  
        int anar[]=new int[5];  
        System.out.println(anar[0]);  
    }  
}
```

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- A. Error: anar is referenced before it is initialized
- B. null
- ☒ C. 0
- D. 5

**Question 15**

**What will be printed out if you attempt to compile and run the following code ?**

```
int i=1;
switch (i)
{
    case 0:
        System.out.println("zero");
        break;
    case 1:
        System.out.println("one");
    case 2:
        System.out.println("two");
    default:
        System.out.println("default");
}
```

- A. one
- B. one, default
- ☒ C. one, two, default
- D. default

**Question 16**

**What will be printed out if you attempt to compile and run the following code?**

```
int i=9;
switch (i)
{
    default:
        System.out.println("default");
}
```



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```
case 0:  
System.out.println("zero");  
break;  
case 1:  
System.out.println("one");  
case 2:  
System.out.println("two");  
}
```

- A. default
- ☒ B. default, zero
- C. error default clause not defined
- D. no output displayed

**Question 17**

Which of the following lines of code will compile without error

1)

```
int i=0;  
if(i)  
{  
    System.out.println("Hello");  
}
```

☒ 2)

```
boolean b=true;  
boolean b2=true;  
if(b==b2)  
{  
    System.out.println("So true");  
}
```

☒ 3)

```
int i=1;  
int j=2;  
if(i==1 || j==2)  
    System.out.println("OK");
```

4)

```
int i=1;
```

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```
int j=2;  
if(i==1 &| j==2)  
    System.out.println("OK");
```

**Question 18**

Given the following declarations

```
String s1=new String("Hello")  
String s2=new String("there");  
String s3=new String();
```

Which of the following are legal operations?

- ☒ A. s3=s1 + s2;
- ☐ B. s3=s1-s2;
- ☐ C. s3=s1 & s2
- ☐ D. s3=s1 && s2

**Question 19**

What is the result of the following operation?

```
System.out.println(4 | 3);
```

- ☐ A. 6
- ☐ B. 0
- ☐ C. 1
- ☒ D. 7

**Question 20**

```
public class MyClass1  
{  
    public static void main(String argv[]){ }  
    /*Modifier at XX */ class MyInner { }  
}
```

What modifiers would be legal at XX in the above code?

- ☐ A. public
- ☒ B. private

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- C. static
- D. friend

**Question 21**

**What will happen when you attempt to compile and run this code?**

```
public class MyMain
{
    public static void main(String argv)
    {
        System.out.println("Hello cruel world");
    }
}
```

- A. The compiler will complain that main is a reserved word and cannot be used for a class
- B. The code will compile and when run will print out "Hello cruel world"
- C. The code will compile but will complain at run time that no constructor is defined
- ☒ D. The code will compile but will complain at run time that main is not correctly defined

**Question 22**

**You want to find out the value of the last element of an array. You write the following code. What will happen when you compile and run it.?**

```
public class MyAr{ public static void main(String argv[]){ int[] i = new int[5];
System.out.println(i[5]); } }
```

- A. An error at compile time
- ☒ B. An error at run time
- C. The value 0 will be output
- D. The string "null" will be output

**Question 23**

**What will happen when you attempt to compile and run the following code**  
**public class As**

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```
{
    int i = 10;
    int j;
    char z= 1;
    boolean b;
    public static void main(String argv[])
    {
        As a = new As();
        a.amethod();
    }
    public void amethod()
    {
        System.out.println(j);
        System.out.println(b);
    }
}
```

- ☒ A. Compilation succeeds and at run time an output of 0 and false
- ☐ B. Compilation succeeds and at run time an output of 0 and true
- ☐ C. Compile time error b is not initialised
- ☐ D. Compile time error z must be assigned a char value

**Question 24**

**Which of the following will compile correctly?**

- ☐ A. short myshort = 99S;
- ☐ B. String name = 'Excellent tutorial Mr Green';
- ☐ C. char c = 17c;
- ☒ D. int z = 015;

**Question 25**

**Which of the following are Java key words?**

- ☒ A. double
- ☐ B. Switch
- ☐ C. then
- ☒ D. instanceof

**Question 26**

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Given the following variables which of the following lines will compile without error?

String s = "Hello";

long l = 99;

double d = 1.11;

int i = 1;

int j = 0;

A. j = i << s;

☒ B. j = i << j;

C. j = i << d;

D. j = i << l;

**Question 27**

Given the following variables

char c = 'c';

int i = 10;

double d = 10;

long l = 1;

String s = "Hello";

Which of the following will compile without error?

A. c = c + i;

☒ B. s += i;

C. i += s;

D. c += s;

**Question 28**

Which of the following are valid statements?

☒ A. System.out.println(1+1);

B. int i = 2 + '2';

☒ C. String s = "on" + 'one';

D. byte b = 255;

**Question 29**

Which of the following statements are true?

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- ☒ A. A byte can represent between -128 to 127
- ☐ B. A byte can represent between -127 to 128
- ☐ C. A byte can represent between -256 to 256
- ☐ D. A char can represent between  $-2 \times 2^{\text{pow } 16}$  to  $2 \times 2^{\text{pow } 16} - 1$

**Question 30**

**Which of the following will compile without error?**

1)

```
char c='1';  
System.out.println(c>>1);
```

2)

```
Integer i=Integer("1");  
System.out.println(i>>1);
```

3)

```
int i=1;  
System.out.println(i<<<1);
```

☒ 4)

```
int i=1;  
System.out.println(i<<1);
```