

**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 - \$7 is not valid identifier.
- D.Compile error - do is not valid identifier.**

do is a reserved keyword.

**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** because when no start with zero it is treated as octal.
- 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
}
```

**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 in java only copy of ref is send in the method.
- 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      java classname runs  
only one class
- 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**     $x=x*(3+7)$
- 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. \_whatavariable**
- 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[]={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[]={1,2,3};  
        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';** there is ascii value for '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  $-2 \times 2^{16} \text{ to } 2^{16} - 1$**

**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);
```