

## SOAL

1. Given:

```
class Hexy {
    public static void main(String[] args) {
        Integer i = 42;
        String s = (i<40)?"life":(i>50)?"universe":"everything";
        System.out.println(s);
    }
}
```

What is the result?

- A. null
- B. life
- C. universe
- D. everything
- E. Compilation fails.
- F. An exception is thrown at runtime.

2. Given:

```
1. class Example {
2.     public static void main(String[] args) {
3.         Short s = 15;
4.         Boolean b;
5.         // insert code here
6.     }
7. }
```

Which, inserted independently at line 5, will compile? (Choose all that apply.)

- A. `b = (Number instanceof s);`
- B. `b = (s instanceof Short);`
- C. `b = s instanceof (Short);`
- D. `b = (s instanceof Number);`
- E. `b = s instanceof (Object);`
- F. `b = (s instanceof String);`

3. Given:

```
class Fork {
    public static void main(String[] args) {
        if(args.length == 1 | args[1] .equals("test")) {
            System.out.println ("test case");
        } else {
            System.out.println("production " + args[0]) ;
        }
    }
}
```

```
}  
}
```

And the command-line invocation:

```
java Fork live2
```

What is the result?

- A. test case
- B. production
- C. test case live2
- D. Compilation fails.
- E. An exception is thrown at runtime.

4. Given:

```
class Foozit {  
    public static void main(String[] args) {  
        Integer x = 0;  
        Integer y = 0;  
        for(Short z = 0; z < 5; z++)  
            if((++x > 2) || (++y > 2))  
                X++ ;  
        System.out.println (x + " " + y);  
    }  
}
```

What is the result?

- A. 5 1
- B. 5 2
- C. 5 3
- D. 8 1
- E. 8 2
- F. 8 3
- G. 10 2
- H. 10 3

5. Given:

```
class Titanic {  
    public static void main(String[] args) {  
        Boolean b1 = true;  
        boolean b2 = false;  
        boolean b3 = true;  
        if((b1 & b2) | (b2 & b3) & b3)  
            System.out.print("alpha ");  
        if((b1 = false) | (b1 & b3) | (b1 | b2))  
            System.out.print("beta ");  
    }  
}
```

```
}  
}
```

What is the result?

- A. beta
- B. alpha
- C. alpha beta
- D. Compilation fails.
- E. No output is produced.
- F. An exception is thrown at runtime

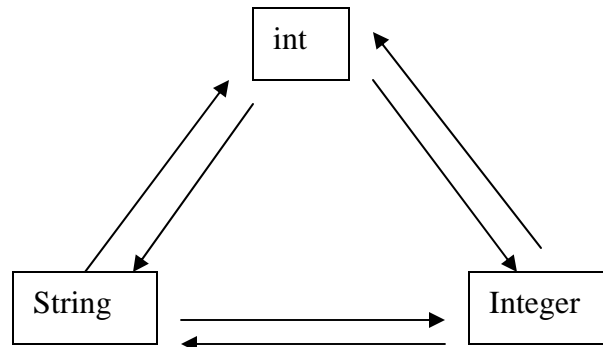
```
6. class Feline {  
  public static void main(String[] args) {  
    Long x = 42L;  
    Long y = 44L;  
    System.out.print (" " + 7 + 2 + " " ) ;  
    System.out.print(foo () + x + 5 + " " );  
    System.out.println(x + y + foo());  
  }  
  static String foo() { return "foo"; }  
}
```

What is the result?

- A. 9 foo47 86foo
- B. 9 foo47 4244foo
- C. 9 foo425 86foo
- D. 9 foo425 4244foo
- E. 72 foo47 86foo
- F. 72 foo47 4244foo
- G. 72 foo425 86foo
- H. 72 foo425 4244foo
- I. Compilation fails.

7. Buatlah sebuah aplikasi untuk mengubah sebuah bilangan desimal menjadi bilangan biner, octal dan heksa.

8. Buatlah suatu aplikasi untuk mengubah :



9. Bagaimana program ini jika dijalankan? Jelaskan !.

```
public class Coba {  
    public static void main(String args[]){  
        Integer i = 12 ;  
        Long j = 10L ;  
        i = j ;  
    }  
}
```

10. Ubahlah object Double menjadi tipe data primitif byte, short, int, long, float.

\*\*\*\*\* Selamat Mengerjakan \*\*\*\*\*