Guidelines: Answer the questions below by ticking the box next to the correct response(s) to each question. Be sure to check your answers to ensure that they are correct.

1. **What would be the output of this statement?**

```java
int x = 4;
if(x > 4){
    System.out.println("hello: " + x);
}
```

Choose one answer.

- ☐ A. hello: x
- ☐ B. [nothing would be printed to the command-line]
- ☐ C. hello: 4
- ☐ D. hello

2. **What would be the output of this statement?**

```java
int y = 10;
if(y > 4){
    System.out.println("More than 4");
}
if(y > 6){
    System.out.println("More than 6");
}
```

Choose one answer.

- ☐ A. More than 4
     More than 6
- ☐ B. [nothing would be printed to the command-line]
- ☐ C. More than 4
- ☐ D. More than 6

3. **What would be the output of this statement?**

```java
int z = 3;
if(z >= 4){
    System.out.println("Salt");
}else{
    System.out.println("Pepper");
}
```

Choose one answer.

- ☐ A. [nothing would be printed to the command-line]
- ☐ B. Salt & Pepper
- ☐ C. Pepper
- ☐ D. Salt

4. **What would be the output of this statement?**

```
int w = 12;
if(w > 4){
    System.out.println("Tomato");
else if(w > 10){
    System.out.println("Cucumber");
}
}else{
    System.out.println("Onion");
}
```

Choose one answer.

☐ A. Tomato
☐ B. Cucumber
☐ C. Onion
☐ D. [nothing would be printed to the command-line]

5. **When adding a second condition to an IF statement, what is the symbol used to represent and?**
Choose one answer.

☐ A. ++
☐ B. ||
☐ C. &&
☐ D. $$

6. **When adding a second condition to an IF statement, what is the symbol used to represent or?**
Choose one answer.

☐ A. ++
☐ B. ||
☐ C. &&
☐ D. $$

7. **What would be the output of this statement?**

```
String myWord = "B";
switch(myWord){
    case "A":
        System.out.println("Cup");
    break;
    case "B":
        System.out.println("Beaker");
    break;
}
```

Choose one answer.

☐ A. Cup
☐ B. Beaker

8. **In Java, what symbol is used to add comments to code?**
    Choose one answer.

    ☐   A.   \
    ☐   B.   /
    ☐   C.   \\
    ☐   D.   //

9. **What are the benefits of using comments in code?**
    Choose at least one answer.

    ☐   A.   Enables other programmers to follow code written by others
    ☐   B.   Can record the author details of a program
    ☐   C.   Improves the execution time of code
    ☐   D.   Can indicate the date of previous amendments made

10. **What would be the output of this statement?**

    ```
    int q = 20;
    if(q < 10 ){
        System.out.println("Red");
    else if(q < 20){
        System.out.println("Blue");
    }

    else if(q < 30){
        System.out.println("Green");
    }
    }else{
        System.out.println("Pink");
    }
    ```

    Choose one answer.

    ☐   A.   Red
    ☐   B.   Blue
    ☐   C.   Green
    ☐   D.   Pink