

## MCQ4

### Q1

Which of the following loops will execute the body of loop even when condition controlling the loop is initially false?

- For
- For each
- while
- Do while

### Q2

What will the output of the following piece of code be

```
int sum = 0;
for (int i = 0, j = 0; i < 5 & j < 5; ++i, j = i + 1)
    sum += i;
System.out.println(sum);
```

- 5
- 6
- 14
- Error

### Q3

What will the output of the following piece of code be

```
int x = 2;
int y = 0;
for (; y < 10; ++y)
{
    if (y % x == 0)
        continue;
    else if (y == 8)
        break;
    else
        System.out.print(y + " ");
}
```

- 1 3 5 7
- 2 4 6 8
- 1 3 5 7 9
- 1 2 3 4 5 6 7 8 9

### Q4

What will a break statement exit

- Innermost loop only
- A program
- Innermost code block only

- Innermost switch or innermost enclosing loop

Q5

What is the correct syntax of for each loop?

- `for(variable:collection)`  
`{body;}`
- `for(data_type variable:collection)`  
`{body;}`
- `for(variable;collection)`  
`{body;}`
- `for(data_type variable;collection)`  
`{body;}`

Q6

What will the output of the following piece of code be

```
for(int i=1, i<10, i++){  
    System.out.print(i);  
}
```

- 12345678910
- 123456789
- 23456789
- Error

Q7

Will the following result in boolean true or false?

`(true&&true)||((true&&true)&&(!false))||!true`

- True
- False
- Error

Q8

What will the following piece of code output:

```
int i=0, j=2;  
do{  
    i=++i;  
    j--;  
}while(j>0);  
System.out.println(i);
```

- 0

- 1
- 2
- Error