

CS 152

Computer Programming Fundamentals

Quiz 5

Brooke Chenoweth

University of New Mexico

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Question 1

```
public class TestClass {  
    public static void main(String[] args) {  
        int x = 3;  
        int y = 6;  
        y = y - x / 2;  
        System.out.println(y);  
    }  
}
```

A 5

B 4.5

C 1

D 1.5

E 2

Question 1

```
public class TestClass {  
    public static void main(String[] args) {  
        int x = 3;  
        int y = 6;  
        y = y - x / 2;  
        System.out.println(y);  
    }  
}
```

A 5

B 4.5

C 1

D 1.5

E 2

Question 2

```
public class WhileLoopExample {  
    public static void main(String[] args) {  
        int n = 1;  
        while (n < 10) {  
            System.out.print(n + ", ");  
            n *= 2;  
        }  
    }  
}
```

- A 1,
- B 1, 2, 3, 4, 5, 6, 7, 8, 9,
- C 1, 2, 4, 8,
- D 1, 2, 4, 6, 8,
- E 1, 2, 4,

Question 2

```
public class WhileLoopExample {  
    public static void main(String[] args) {  
        int n = 1;  
        while (n < 10) {  
            System.out.print(n + ", ");  
            n *= 2;  
        }  
    }  
}
```

A 1,

B 1, 2, 3, 4, 5, 6, 7, 8, 9,

C 1, 2, 4, 8,

D 1, 2, 4, 6, 8,

E 1, 2, 4,

Question 3

```
public static void main(String[] args) {  
    int n = 10;  
    int z = n-1;  
    while (z > 1) {  
        if ((n % z) == 0) {  
            System.out.print(z + ", ");  
        }  
        z--;  
    }  
}
```

- A 9, 8, 7, 6, 5, 4, 3, 2, 1,
- B 9, 8, 7, 6, 5, 4, 3, 2,
- C 8, 6, 4, 2,
- D 5, 2,
- E 5,

Question 3

```
public static void main(String[] args) {  
    int n = 10;  
    int z = n-1;  
    while (z > 1) {  
        if ((n % z) == 0) {  
            System.out.print(z + ", ");  
        }  
        z--;  
    }  
}
```

A 9, 8, 7, 6, 5, 4, 3, 2, 1,

B 9, 8, 7, 6, 5, 4, 3, 2,

C 8, 6, 4, 2,

D 5, 2,

E 5,

Question 4

```
public static void main(String[] args) {  
    int a = 2;  
    for (int i=5; i<8; i++) {  
        System.out.print("(" + i + "," + a + ") ");  
    }  
    System.out.println();  
}
```

- A (5,2) (6,2) (7,2) (8,2)
- B (5,5) (6,6) (7,7) (8,8)
- C (5,0) (6,0) (7,0) (8,0)
- D (5,2) (6,2) (7,2)
- E (5,6) (6,7) (7,8)

Question 4

```
public static void main(String[] args) {  
    int a = 2;  
    for (int i=5; i<8; i++) {  
        System.out.print("(" + i + "," + a + ") ");  
    }  
    System.out.println();  
}
```

A (5,2) (6,2) (7,2) (8,2)

B (5,5) (6,6) (7,7) (8,8)

C (5,0) (6,0) (7,0) (8,0)

D (5,2) (6,2) (7,2)

E (5,6) (6,7) (7,8)

Question 5

Which for loop on line 1 will result in the output:

2 5 8 11

```
for ( ????? ) {  
    System.out.print(i + " ");  
}
```

- A for (int i=2; i<5; i<8; i++) {
- B for (int i=2; i<5; i<8; i=11) {
- C for (int i=2; i<5; i=i+8) {
- D for (int i=2; i<8; i=i+11) {
- E for (int i=2; i<14; i=i+3) {

Question 5

Which for loop on line 1 will result in the output:

2 5 8 11

```
for ( ????? ) {  
    System.out.print(i + " ");  
}
```

A for (int i=2; i<5; i<8; i++) {

B for (int i=2; i<5; i<8; i=11) {

C for (int i=2; i<5; i=i+8) {

D for (int i=2; i<8; i=i+11) {

E for (int i=2; i<14; i=i+3) {