CS 152
Computer Programming
Fundamentals
Quiz 5

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Question 1

```java
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

```java
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

```java
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

```java
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

```java
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

```java
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

```java
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

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

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) {