What will the following code print?

```
List<Integer> str = Arrays.asList(1,2, 3, 4);
str.stream().filter(x->{
    System.out.print(x+" ");
    return x>2;
});
A. 1 2 3 4
B. 1 2 3 4 4
C. 4
```

D. It will not print anything

```
Given the following code:
import java.util.Arrays;
import java.util.List;
public class TestClass {
  public static void main(String[] args) {
     List<Integer> al = Arrays.asList(100, 200, 230, 291, 43);
    System.out.println( *INSERT CODE HERE* );
  }
}
Which of the following options will correctly print the number of elements that are less than
200?
A. al.asStream().reduce((i)->i<200).count();
B. al.stream().map((i)->i<200, i).count();
C. al.stream().filter((i)->i<200).list().count();
D. al.stream().filter((i)->i<200).count();</p>
E. al.asStream().filter((i)->i<200).count();</pre>
```

```
Given:
public class Student {
  private String name;
  private int marks;
  //constructor and getters and setters not shown
  public void addMarks(int m){
    this.marks += m;
  }
  public void debug(){
    System.out.println(name+":"+marks);
  }
}
What will the following code print when compiled and run?
List<Student> slist = Arrays.asList(new Student("S1", 40), new Student("S2", 35), new
Student("S3", 30));
Consumer<Student> increaseMarks = s->s.addMarks(10);
slist.forEach(increaseMarks);
slist.stream().forEach(s->s.debug());
    A.
        S1:50
       S2:45
        S3:40
   В.
        S1:40
        S2:35
        S3:30
   C. It will not print anything.
    D. It will not compile
```

```
What will the following code print when compiled and run?
List<String> values = Arrays.asList("Java EE", "C#", "Python");
boolean flag = values.stream().allMatch(str->{
    System.out.println("Testing: "+str);
    return str.equals("Java");
    });
System.out.println(flag);
Α.
    Testing: Java EE
    false
В.
    Testing: Java EE
    Testing: C#
    Testing: Python
    false
C.
    Testing: Java EE
    true
```

D. It will not compile because lambda expression is built incorrectly.

Given: String sentence1 = "Carpe diem. Seize the day, boys. Make your lives extraordinary."; String sentence2 = "Frankly, my dear, I don't give a damn!"; String sentence3 = "Do I look like I give a damn?"; List<String> sentences = Arrays.asList(sentence1, sentence2, sentence3); Which of the following options will create a stream containing all the words in the three sentences without repetition? A. Stream<String> strm = sentences.stream() .flatMap(str->Stream.of(str.split("[ ,.!?\r\n]"))) .filter(s->s.length()>0) .distinct(); B. Stream<String> strm = sentences.stream() .map(str->Stream.of(str.split("[,.!?\r\n]"))) .filter(s->s.length()>0) .distinct(); C. Stream<String> strm = sentences.stream() .forEach(str->Stream.of(str.split("[,.!?\r\n]"))) .filter(s->s.length()>0) .distinct(); D. Stream<String> strm = sentences.stream() .flatMap(str-> str.split("[ ,.!?\r\n]")) .filter(s->s.length()>0) .distinct(); E. Stream<String> strm = sentences.stream() .forEach(str->Stream.of(str.split("[ ,.!?\r\n]"))) .filter(s->s.length()>0)

.merge();

What will be the result of compilation and execution of the following code?

DoubleStream is = DoubleStream.of(0, 2, 4); //1

double sum = is.filter( i->i%2 != 0 ).sum(); //2

System.out.println(sum); //3

- A. It will print 0.0
- B. It will print 6.0
- C. It will print OptionalDouble[0.0] if line at //2 is replaced with OptionalDouble x = is.sum();
- D. It will not compile.
- **E**. It will throw an exception at run time.