

Started on	Saturday, 3 December 2022, 11:30 AM
State	Finished
Completed on	Saturday, 3 December 2022, 11:38 AM
Time taken	7 mins 44 secs
Grade	3.50 out of 8.00 (44%)

Question 1

Correct

Mark 2.00 out of 2.00

Find the output of the following code.

```
import java.util.*;
public class Test {
    public static boolean check(String str){
        for(int i=0; i<str.length(); i++) {
            if(str.charAt(i) == 'a' || str.charAt(i) == 'e' || str.charAt(i) == 'i' || str
                .charAt(i) == 'o' || str.charAt(i) == 'u'){
                return true;
            }
        }
        return false;
    }
    public static void main(String[] args) {
        List<String> lst = new ArrayList<>();
        lst.add("IndIA");
        lst.add("ChIna");
        lst.add("BhutAn");
        Iterator<String> it = lst.iterator();
        while (it.hasNext())
        {
            String name = it.next();
            if (check(name))
                it.remove();
        }
        System.out.println(lst);
    }
}
```

- ☒ a. [IndIA]
- ☐ b. []
- ☐ c. [ChIna]
- ☐ d. [India]



Your answer is correct.

The correct answer is:

[IndIA]

Question 2

Incorrect

Mark -0.50 out of 2.00

Find the output of the following code.

```
import java.util.Iterator;
import java.util.*;
public class Test {
    public static boolean check(Integer n)
    {
        for(int i=2;i*i<=n;i++)
        {
            if(n%i==0)
            {
                return false;
            }
        }
        return true;
    }
    public static void main(String[] args)
    {
        ArrayList<Integer> numbers = new ArrayList<Integer>();
        numbers.add(1);
        for(int i=0; i<30; i++)
        {
            if(check(i)){
                numbers.add(i);
            }
        }
        Iterator<Integer> it = numbers.iterator();
        int value = 0;
        while(it.hasNext())
        {
            Integer i = it.next();
            value+=i;
        }
        System.out.println(value);
    }
}
```

- ☐ a. 129
- ☐ b. 132
- ☒ c. 130
- ☐ d. 131



Your answer is incorrect.

The correct answer is:

131

Question 3

Not answered

Marked out of 2.00

Find the output of the following code.

```
import java.util.Queue;
import java.util.*;
public class Test
{
    public static boolean check(LinkedList<Integer> lst)
    {
        for(int i=0;i<lst.size()/2;i++)
        {
            if (lst.get(i) != lst.get(lst.size() - i-1)){return false;}
        }
        return true;
    }
    public static void main(String[] args)
    {
        Queue<Integer> ll = new LinkedList<Integer>();
        ll.add(10);
        ll.add(10);
        ll.add(15);
        int value1 = ll.peek();
        int value2 = ll.poll();
        ll.add(value2);
        if(check((LinkedList<Integer>) ll))
        {
            System.out.println(ll);
        }
        else
        {
            ll.add(100);
            System.out.println(ll);
        }
    }
}
```

- ☐ a. Run time error
- ☐ b. [10, 15, 10, 100]
- ☐ c. [10, 15, 10]
- ☐ d. Compile time error

Your answer is incorrect.

The correct answer is: [10, 15, 10]

Question 4

Correct

Mark 1.00 out of 1.00

Find the output of the following code.

```
import java.util.*;
public class Test {
    static void stack_push(Stack<Integer> stack)
    {
        for(int i = 1; i <= 5; i++)
        {
            stack.push(3*i);
        }
    }
    static void stack_pop(Stack<Integer> stack)
    {
        while(stack.size() >1){
            Integer x = stack.pop();
            Integer y = stack.pop();
            stack.push(x+y);
        }
    }

    public static void main(String[] args) {
        Stack<Integer> stack = new Stack<Integer>();
        stack_push(stack);
        stack_pop(stack);
        System.out.println(stack.get(0));
    }
}
```

- ☒ a. 45
- ☐ b. 0
- ☐ c. 10
- ☐ d. -1



Your answer is correct.

The correct answer is:

45

Question 5

Correct

Mark 1.00 out of 1.00

Find the output of the following code.

```
import java.util.Queue;
import java.util.*;
public class Test {

    public static void main(String[] args) {
        Queue<String> queueCustomers = new LinkedList<>();
        queueCustomers.offer("Pars");

        String next = queueCustomers.remove();
        System.out.println("Next customer is: " + next);

        next = queueCustomers.remove();
        System.out.println(next);
    }
}
```

-
- ☒ a. Next customer is: Pars followed by run time error
 - ☐ b. Run time error followed by Next customer is: Pars
 - ☐ c. Run time error
 - ☐ d. Compile time error



Your answer is correct.

The correct answer is:

Next customer is: Pars followed by run time error

[◀ Lab 9 Quiz](#)

Jump to...



[Lab 12 Quiz ▶](#)