Name of the Candidate:

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1. What is the expected behaviour for below code snippet

```
public class UpwardIQ {
  public static void main(String[] arg){
   int i = Integer.MAX_VALUE;
   int result = i + 20;
   System.out.println(result);
  }
}
```

- [ ] Comiplation Error
- [ ] Runtime Error
- [ ] Compile and Run with output _____

2. Please select correct answer for below code snippet

```
public class void UpwardIQ {
  public static void main(String[2] arg){
   System.out.println("Hi, Welcome to UpwardIQ. All the best!"
  }
}
```

- [ ] Comiplation Error
- [ ] Runtime Error
- [ ] Compile and Run with output _____

3. Select appropriate method to remove whitespaces.

```
Character whiteSpace = '\u2000';
String empName = whiteSpace + "Prem" + whiteSpace;
```

- [ ] empName.replace(c, '\s');
- [ ] empName.replace(c);
- [ ] empName.strip();
- [ ] empName.trim()

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4. Select result of below statement.
"abc ABC 123 ab AB".replaceAll("ab","");

- [ ] "c ABC 123 ab AB"
- [ ] "c C 123 "
- [ ] "c ABC 123 AB"
- [ ] "c ABC 123 AB"

5. An interfacec can contains. (with respect to java 9 and above)

- [ ] Constants
- [ ] Abstract Method
- [ ] Default Method
- [ ] Static Method
- [ ] Private Method
- [ ] Private Static Method

6. Select valid class definations in below outer class definations

- [ ] public class final abstract UpwardIQ { }
- [ ] public class static final UpwardIQ { }
- [ ] public class final UpwardIQ { }
- [ ] private class final UpwardIQ { }
- [ ] None of the above

7. Select options for below code snippet

```
public class UpwardIQ {
  public static void main(String[] arg){
   final StringBuilder companyName = new StringBuilder("UpwardIQ.");
   companyName.append("towards better tomorrow..");
  }
}
```

- [ ] Comiplation Error
- [ ] Runtime Error
- [ ] Compile and Run with output _____

8. Write output for below code

```
public class UpwardIQ {
  public static void main(String[] arg){
    int i = 1;
    switch(i) {
      case 2:
        System.out.println("Inside block 2");
        break;
      default:
        System.out.println("Inside block 2");
        break;
      case 1:
        System.out.println("Inside block 1");
        break;
    }
  }
}
```

Ans: _____

9. Write output for below program

```
public class UpwardIQ {
  public static void main(String[] arg){
    List list = List.of("UpwardIQ", "Java Walkin");
    List list.forEach(l -> l.concat("Welcome\sto\s"));
    List list.forEach(System.out::println);
  }
}
```

Ans: _____

10. Mark all intnerfaces from util package

- [ ] ArrayList
- [ ] HashMap
- [ ] Comparator
- [ ] Comparable
- [ ] Set
- [ ] Date

11. Select options for below program

```
public class UpwardIQ {
  public static void main(String[] arg){
   String[] words = {"Hi,","Welcome", "to", "UpwardIQ.", "All the best!"};
   EnrichFunction function = (s) -> System.out.println(String.join(" ", s);
   function.enrichedMessage(words);
  }
}
@FunctionalInterface
interface EnrichFunction {
  public void enrichedMessage(String[] arg);
}
```

- ☐ Comiplation Error
- ☐ Runtime Error
- ☐ Compile and Run with output _____

12. Mark all valid methods in Map.Entry interface

- ☐ getKey()
- ☐ getValue()
- ☐ put()
- ☐ setValue()

13. What would be the order entries from enrySet() method from TreeMap

- ☐ Random Order
- ☐ Insertion Order
- ☐ Sorted order by Key
- ☐ Sorted order by Value

14. What is the return value from below method

```
public int rank(){
  try {
    return 1;
  } finally {
    return 1;
  }
}
```

- ☐ Comiplation Error
- ☐ Runtime Error
- ☐ 1
- ☐ 2

15. What is the output from below code

```
try {
  String s = "UpwardIQ!";
  s.charAt(15);
} catch(RuntimeException e) {
  System.out.println("Got RuntimeException");
} catch(ArrayIndexOutOfBoundException e) {
  System.out.println("Got ArrayIndexOutOfBoundException");
} catch(StringIndexOutOfBoundException e) {
  System.out.println("Got StringIndexOutOfBoundException");
} catch(NullPointerException e) {
  System.out.println("Got NullPointerException");
} catch(Exception e) {
  System.out.println("Iinside Exception Block");
}
```

- ☐ Comiplation Error
- ☐ Runtime Error
- ☐ Executed without any error

1. Write a program to get list of emplyee names from list of employee objects.

```
public class Employee {
  private String empId;
  private String empName;
  private String empSalary;
  private String deptId;
}
```

2. Write sql query to get all top salaried employee from each department.

Emp_Id	Emp_Name	Emp_Salary	Dept_Id
Emp-101	Prem	1000000	Dept-101
Emp-102	Sunitha	1500000	Dept-101
Emp-103	Ram	1000000	Dept-102
Emp-104	Siva	2500000	Dept-102