

## **DAILY ONLINE ACTIVITIES SUMMARY**

|   |   |  |            |
|---|---|--|------------|
| <b>Date:</b>  | 30/06/2020                                    | <b>Name:</b>   | Chethana j |
| <b>Sem &amp; Sec</b>  | 6 <sup>th</sup> A                             | <b>USN:</b>  | 4al17cs022 |
| <b>Online Test Summary</b>  |   |  |            |
| <b>Subject</b>  | Java and J2EE                                 |  |            |
| <b>Max. Marks</b>   |   | <b>Score</b>   |            |
| <b>Certification Course Summary</b>   |   |  |            |
| <b>Pre placement training</b>   | 9:00 am to 11:00 am – Java Exception Handling |  |            |
| <b>Faculty</b>  | Mr. Sharan Pias                               | <b>Duration</b>  | 2hrs.      |
| <b>Coding Challenges</b>  |   |  |            |
| <b>Problem Statement:</b> 1. Java program to determine whether one string is a rotation of another.<br>2. C program to generate first n Ugly Numbers. |   |  |            |
| <b>Status: Completed</b>  |   |  |            |
| <b>Uploaded the report in Github</b>  |   | yes  |            |
| <b>If yes Repository name</b>   |   | <a href="https://github.com/Jchethana1990/online-course">https://github.com/Jchethana1990/online-course</a><br><a href="https://github.com/Jchethana1990/Machine-learning-workshop">https://github.com/Jchethana1990/Machine-learning-workshop</a> |            |
| <b>Uploaded the report in slack</b>   |   | yes  |            |

## Training snapshot:

The slide is titled "Difference Between Error And Exception" in red text. It contains two bullet points: "Errors indicate that something severe enough has gone wrong, the application should crash rather than try to handle the error." and "Exceptions are events that occurs in the code. A programmer can handle such conditions and take necessary corrective actions." The slide has a dark background with a red header bar containing a "REC" button and a volume icon. At the bottom, there are three circular icons: a microphone with a slash, a telephone handset, and a window with a slash, each with a red exclamation mark. The ALIAS logo is in the top right corner.

**Difference Between Error And Exception**

- **Errors** indicate that **something severe enough has gone wrong**, the application should **crash** rather than try to handle the error.
- **Exceptions** are events that occurs in the code. A programmer can handle such conditions and take necessary corrective actions.

**Programm :1. .** Java program to determine whether one string is a rotation of another.

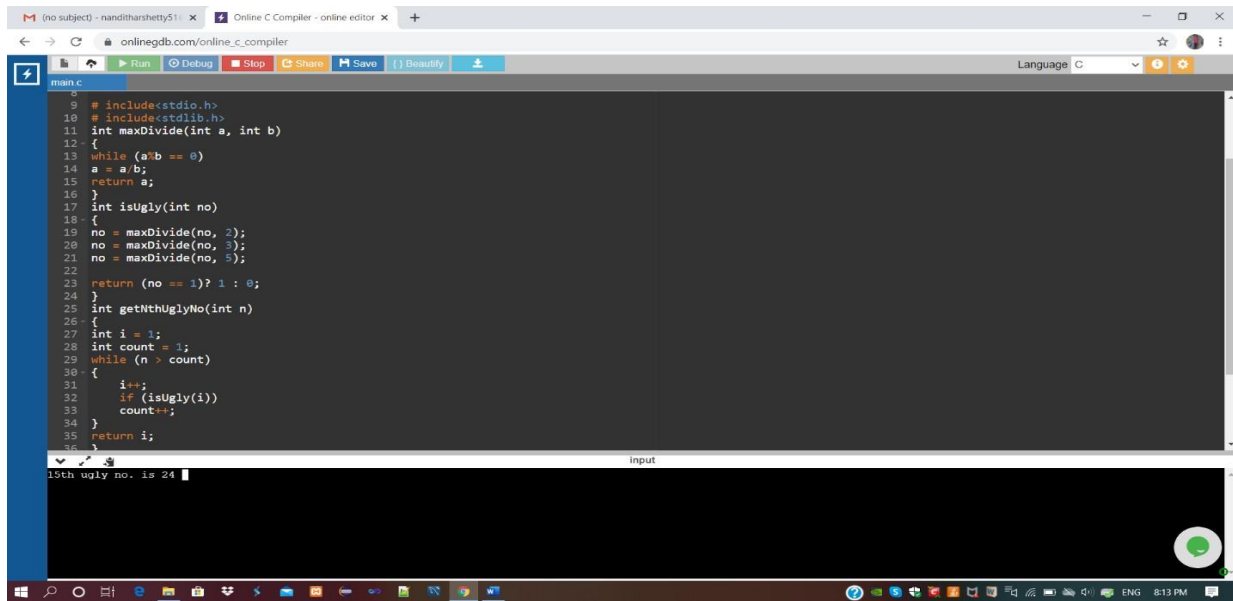
The screenshot shows a web browser window with the URL "onlinegdb.com/online\_c\_compiler". The page title is "Online C Compiler - online editor". The code editor contains a Java program named "Main.java". The program defines a class "Main" with a static method "main" that takes an array of strings "args" as input. It initializes two strings, "str1" and "str2", with values "abcde" and "deabc" respectively. It then checks if the lengths of "str1" and "str2" are equal. If not, it prints "Second string is not a rotation of first string". If they are equal, it concatenates "str1" with itself and checks if "str2" is a substring of the concatenated string. If yes, it prints "Second string is a rotation of first string", otherwise it prints "Second string is not a rotation of first string". The program is executed, and the output shows "Second string is a rotation of first string". The console also displays "Program finished with exit code 0" and "Press ENTER to exit console.".

```
1 //*****
2
3 Welcome to GDB Online.
4 GDB online is an online compiler and debugger tool for C, C++, Python, Java, PHP, Ruby, Perl,
5 C#, VB, Swift, Pascal, Fortran, Haskell, Objective-C, Assembly, HTML, CSS, JS, SQLite, Prolog.
6 Code, Compile, Run and Debug online from anywhere in world.
7
8 *****/
9 public class Main
10 {
11     public static void main(String[] args) {
12         String str1 = "abcde", str2 = "deabc";
13
14         if(str1.length() != str2.length()){
15             System.out.println("Second string is not a rotation of first string");
16         }
17         else {
18             str1 = str1.concat(str1);
19             if(str1.indexOf(str2) != -1)
20                 System.out.println("Second string is a rotation of first string");
21             else
22                 System.out.println("Second string is not a rotation of first string");
23         }
24     }
25 }
```

Second string is a rotation of first string

... Program finished with exit code 0  
Press ENTER to exit console.

**2.** C program to generate first n Ugly Numbers.



The screenshot shows a web browser window with the URL `onlinegdb.com/online_c_compiler`. The browser tabs include "(no subject) - nanditharshetty51" and "Online C Compiler - online editor". The compiler interface has a toolbar with buttons for Run, Debug, Stop, Share, Save, and Beautify. The language is set to C. The code in the editor is as follows:

```
1 #include<stdio.h>
2 #include<stdlib.h>
3 int maxDivide(int a, int b)
4 {
5     while (a%b == 0)
6     {
7         a = a/b;
8     }
9     return a;
10 }
11 int isUgly(int no)
12 {
13     no = maxDivide(no, 2);
14     no = maxDivide(no, 3);
15     no = maxDivide(no, 5);
16     return (no == 1)? 1 : 0;
17 }
18 int getNthUglyNo(int n)
19 {
20     int i = 1;
21     int count = 1;
22     while (n > count)
23     {
24         i++;
25         if (isUgly(i))
26             count++;
27     }
28     return i;
29 }
```

The output window shows the result: "15th ugly no. is 24".

**Report link:**

<https://github.com/Jchethana1990/Preplacement-report>