

## DAILY ONLINE ACTIVITIES SUMMARY

<b>Date:</b>	<b>30-06-2020</b>	<b>Name:</b>	<b>Anvitha Poojary</b>
<b>Sem &amp; Sec</b>	<b>6A</b>	<b>USN:</b>	<b>4AL17CS008</b>
<b>Online Test Summary</b>			
<b>Subject</b>	<b>JAVA</b>		
<b>Max. Marks</b>	<b>-</b>	<b>Score</b>	<b>-</b>
<b>Certification Course Summary</b>			
<b>Course</b>	<b>JAVA</b>		
<b>Certificate Provider</b>		<b>Duration</b>	
<b>Coding Challenges</b>			
<b>Problem Statement:</b>  1. Write a Java Program to determine whether one string is a rotation of another.  2. Write a C Program to generate first n Ugly Numbers Write a C Program to generate first n Ugly Numbers			
<b>Status: completed</b>			
<b>Uploaded the report in Github</b>		<b>yes</b>	
<b>If yes Repository name</b>		<a href="https://github.com/anvithapo99/Daily-Report">https://github.com/anvithapo99/Daily-Report</a>	
<b>Uploaded the report in slack</b>		<b>yes</b>	

**JAVA QUIZ:**



# Exception Handling Quiz

Total points **12/20** ?

Pre-Placement Training 2020-21, AIET. -  
Mr.Sharan L. Pais, Dept of ISE.

0 of 0 points

USN: \*

in CAPITAL LETTERS only...

4AL17CS008

QUIZ...

12 of 20 points

\*

0/1

```
class exception_handling
{
    public static void main(String args[])
    {
        try
        {
```



## Online coding:

1. Write a Java Program to determine whether one string is a rotation of another.

Description:

In this program, we need to check whether a string is a rotation of another string or not.

String 1: abcde

String 2: deabc

String 1 + String 1: abcdeabcde

Consider the above example, suppose we need to check whether string 2 is a rotation of string 1. To find this, we concatenate string 1 with string 1. Then, try to find the string 2 in concatenated string. If string 2 is present in concatenated string then, string 2 is rotation of string 1. String 2 deabc is found on the index 3 in concatenated string. So, deabc is rotation of abcde.

### ALGORITHM

STEP 1: START

STEP 2: DEFINE String str1 = "abcde", str2 = "deabc"

STEP 3: IF length of str1 not equals to str2 then PRINT "No"  
else go to STEP 4

STEP 4: CONCATENATE str1 with str1.

STEP 5: IF str2 present in str1 then PRINT "Yes" else PRINT "No".

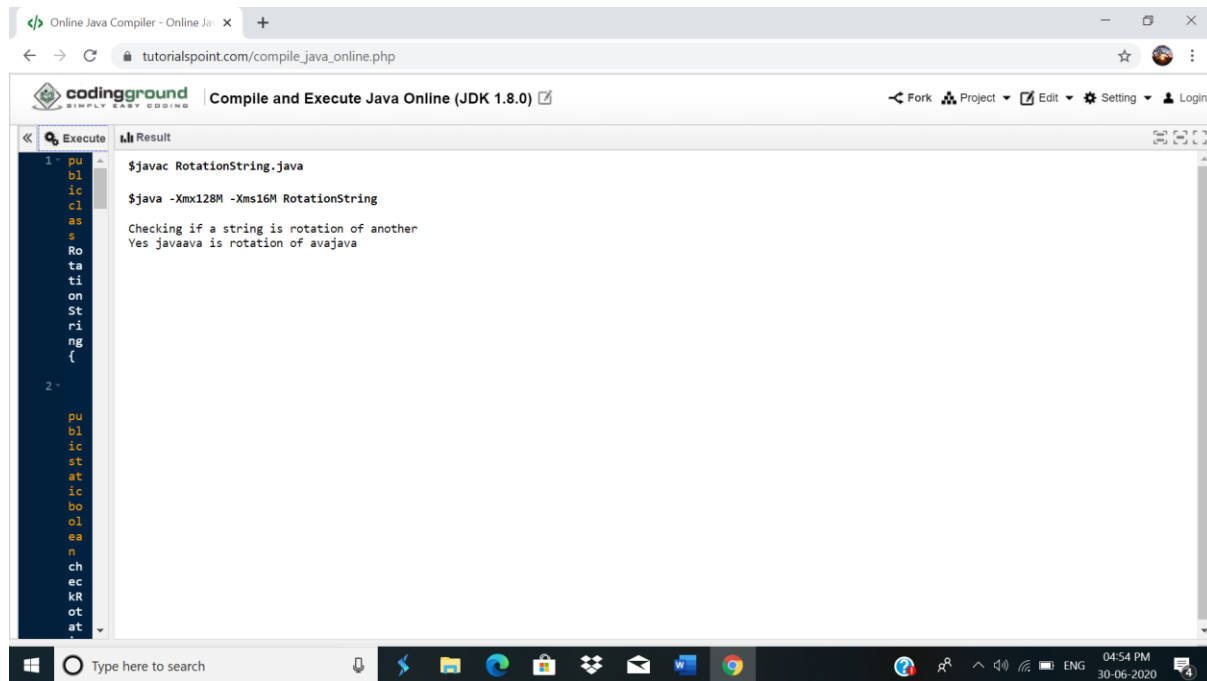
STEP 6: END

```
public class RotationString {  
  
    public static boolean checkRotation(String st1, String st2) {  
  
        if (st1.length() != st2.length()) {  
  
            return false;  
  
        }  
  
        String st3 = st1 + st1;  
  
        if (st3.contains(st2))  
  
            return true;  
  
        else
```

```
        return false;
    }

    public static void main(String[] args) {
        String str1 = "avajava";
        String str2 = "javaava";
        System.out.println("Checking if a string is rotation of another");
        if (checkRotation(str1, str2)) {
            System.out.println("Yes " + str2 + " is rotation of " + str1);
        } else {
            System.out.println("No " + str2 + " is not rotation of " + str1);
        }
    }
}
```

**Output:**



## 2. Write a C Program to generate first n Ugly Numbers Write a C Program to generate first n Ugly Numbers

Ugly numbers are those number whose prime factors are 2, 3 or 5. From 1 to 15, there are 11 ugly numbers 1, 2, 3, 4, 5, 6, 8, 9, 10, 12, 15. The numbers 7, 11, 13 are not ugly because they are prime. The number 14 is not ugly because in its prime factor the 7 will come.

```
# include<stdio.h>
```

```
# include<stdlib.h>
```

```
int maxDivide(int a, int b)
```

```
{
```

```
while (a%b == 0)
```

```
a = a/b;
```

```
return a;
```

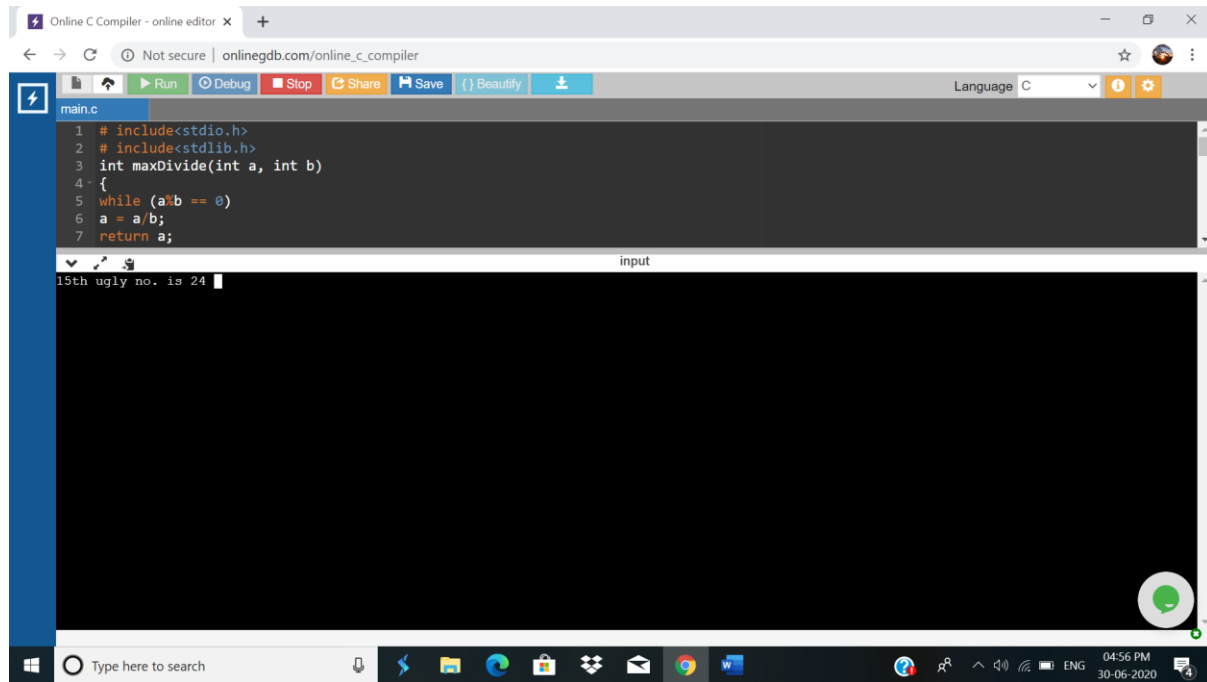
```
}
```

```
int isUgly(int no)
```

```
{  
  
no = maxDivide(no, 2);  
  
no = maxDivide(no, 3);  
  
no = maxDivide(no, 5);  
  
  
return (no == 1)? 1 : 0;  
  
}  
  
int getNthUglyNo(int n)  
  
{  
  
int i = 1;  
  
int count = 1;  
  
while (n > count)  
  
{  
  
    i++;  
  
    if (isUgly(i))  
  
        count++;  
  
}  
  
return i;  
  
}  
  
int main()  
  
{  
  
    unsigned no = getNthUglyNo(15);  
  
    printf("15th ugly no. is %d ", no);  
  
    getchar();  
  
    return 0;  
  
}
```

}

## Output:



The screenshot shows a web browser window with the URL `onlinegdb.com/online_c_compiler`. The browser's address bar indicates it is "Not secure". The page title is "Online C Compiler - online editor". The interface includes a toolbar with buttons for "Run", "Debug", "Stop", "Share", "Save", and "Beautify". The language is set to "C". The code editor displays a C program named `main.c` with the following code:

```
1 #include<stdio.h>
2 #include<stdlib.h>
3 int maxDivide(int a, int b)
4 {
5     while (a%b == 0)
6         a = a/b;
7     return a;
}
```

Below the code editor is an "input" field with the text "15th ugly no. is 24". The output area is currently empty. The Windows taskbar is visible at the bottom, showing the search bar and various application icons. The system clock indicates the time is 04:56 PM on 30-06-2020.