

Codoid Technical Task

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Java :-

17) write a program to do bubble sort on an array in Java.

```
class BubbleSort {  
    public static void main(String args[]) {  
        int a[] = {70, 10, 50, 20, 40, 60, 30};  
        int temp = 0;  
        int n = a.length;  
        for (int i = 0; i < n; i++) {  
            for (int j = i + 1; j < n; j++) {  
                if (a[i] > a[j]) {  
                    temp = a[i];  
                    a[i] = a[j];  
                    a[j] = temp;  
                }  
            }  
            System.out.print(" " + a[i]);  
        }  
    }  
}
```

Output :-

10 20 30 40 50 60 70

53) write a Java program to find whether a string or number is palindrome (or) not.

```
import java.util.*;
```

```
class Palindrome {
```

```
    static boolean isPalindrome (String s) {
```

```
        int i = 0;
```

```
        int j = s.length() - 1;
```

```
        while (i < j) {
```

```
            if ((s.charAt(i)) != (s.charAt(j))) {
```

```
                return false;
```

```
            }
```

```
            i++;
```

```
            j--;
```

```
        }
```

```
        return true;
```

```
    }
```

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

```
        System.out.println("Enter the String:");
```

```
        Scanner sc = new Scanner (System.in);
```

```
        String s = sc.next();
```

```
        if (isPalindrome (s)) {
```

```
            System.out.println("Given String is  
palindrome");
```

```
        } else {
```

```
            System.out.println("Given String is  
not a Palindrome");
```

```
        }
```

```
    }
```

```
}
```

O/P:

Enter the String : mam

Given String is Palindrome.

67) Check no is Armstrong (or) not in Java Program.

```
class Armstrong {  
    public static void main(String args[]) {  
        int a=0, b, temp;  
        int n=153;  
        temp = n;  
        while (n>0) {  
            b=n%10;  
            n=n/10;  
            a=a+(b*b*b);  
        }  
        if (temp == a) {  
            System.out.println(temp + " is a  
                Armstrong number");  
        } else {  
            System.out.println(temp + " is not a  
                Armstrong number");  
        }  
    }  
}
```

O/P:-

153 is ~~an~~ Armstrong number.

SQL :-

Table Codoid Employee .

emp ID	Name	Role	Salary
1001	James Gosting	Java Developer	55,000
1002	Sundar Pichai	Chief information officer (CIO)	100,000
1003	Bill Gates	Business system analyst	60,000
1003	Steve Jobs	computer system manager	65,000
1004	Linus Torvalds	System administrator	50,000

3) write a SQL query to rename the column name.

```
SQL > ALTER Table CodoidEmployee
```

```
RENAME column empID to number ;
```

5) How do we use the DISTINCT statement? what are its use?

DISTINCT statement:-

* DISTINCT statement is used to avoid ~~dup~~ duplicate rows.

* For example in a table a column had a duplicate rows in codoidEmployee table.

```
SQL > select DISTINCT empID From CodoidEmployee ;
```

12) How can i create table with same structure with data.

```
SQL > select Rownum as Rank , salary from  
      (select salary from  
       CodoidEmployee ORDER BY salary desc)  
where Rownum = 3 ;
```

