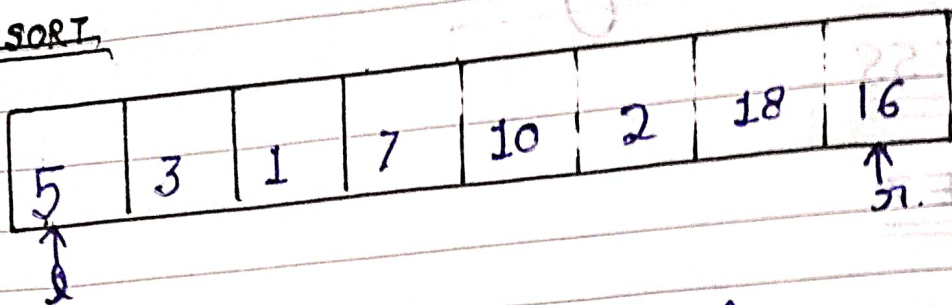
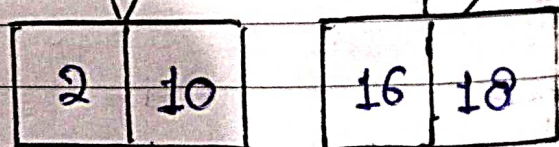
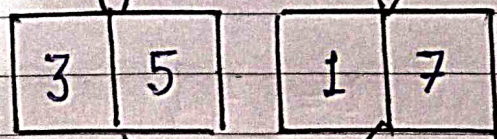
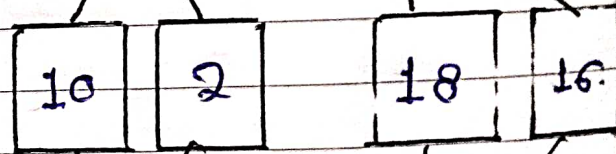
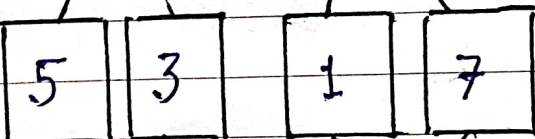
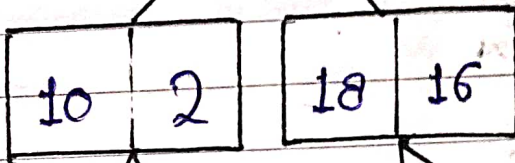
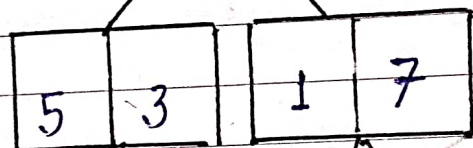
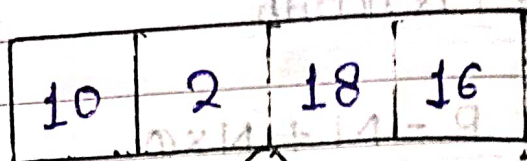
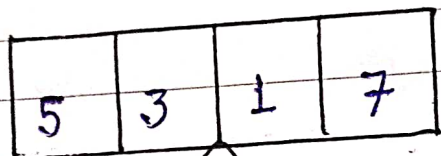


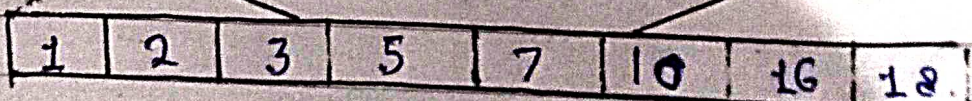
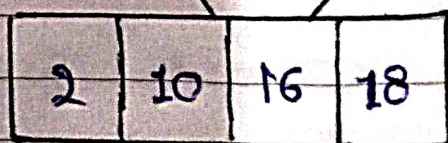
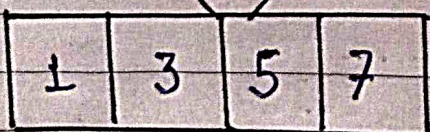
9 MERGE SORT



Now = mid =  $\frac{l+r}{2} = \frac{0+7}{2} = 3.5 \Rightarrow 3$



NOTES





## Now Representation of Linked list by class

class Ayush

{  
 public : → can also use private to make private  
 int data;  
 Node\* next;

Node(int val)

{  
 data = val;  
 next = Null;  
 }

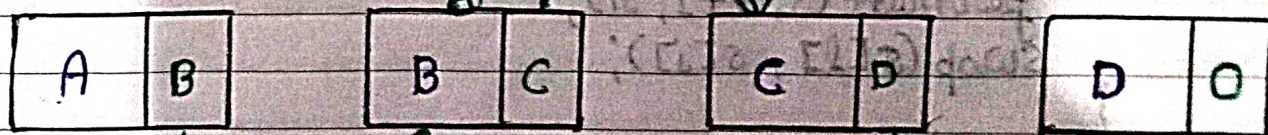
}

Constructor → Constructor is a type of function whose name is same as class name!

Like → Ayush ( )

{  
 ----- } body.  
 -----  
 }

NOTES



Success is a Journey not a destination



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WK 11 • 071-294

MONDAY

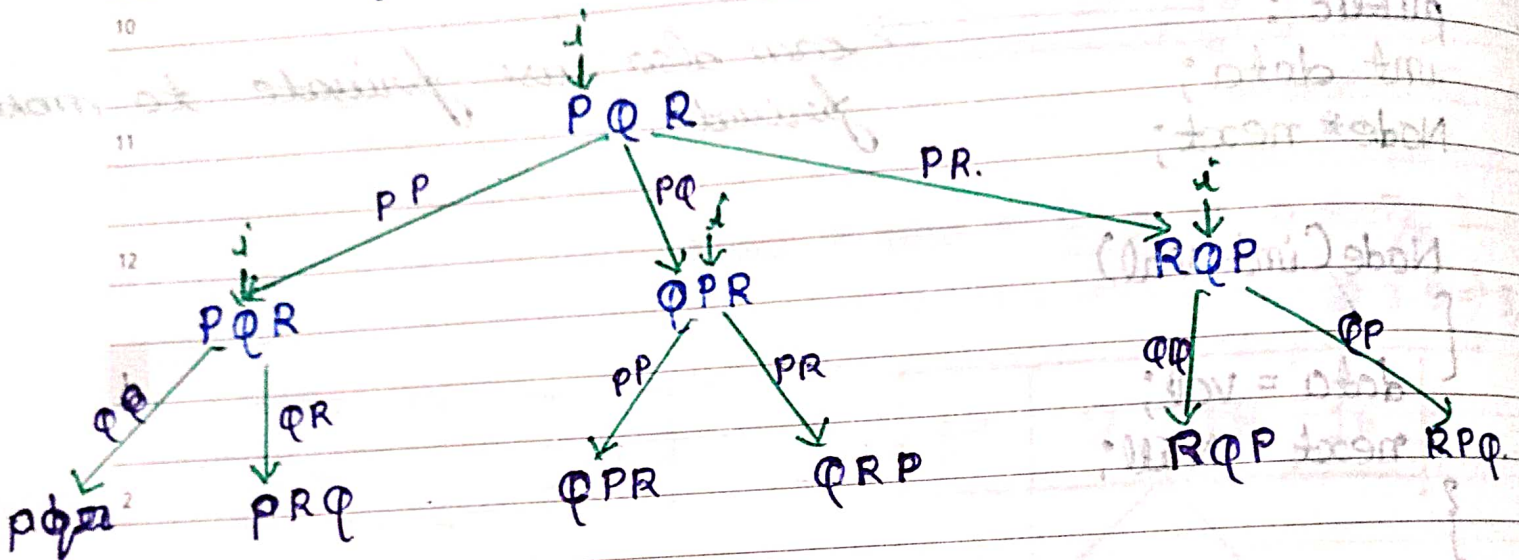
MARCH

26 27 28 29 30 31

M T W T F S S M T W T F S

Permutations of string

let string be "PQR".

Program.

```
void permute (string s, int l, int n)
```

```
{
```

```
    if (l == n)
```

```
    {
```

```
        cout << s << endl;
```

```
        return;
```

```
    }
```

```
    for (int i = l; i <= n; i++)
```

```
    {
```

```
        swap (s[l], s[i]);
```

```
        permute (s, l+1, n);
```

```
        swap (s[l], s[i]);
```

```
    }
```

```
}
```

NOTES

18

Good manners will open doors that best education cannot.



Reverse a Sentence

```
void reverse(string s)
```

{

```
stack<string> st;
```

```
for (int i=0; i<s.length(); i++)
```

```
{
    string word = " ";
```

```
while (s[i] != ' ' && i<s.length())
```

{

```
    word += s[i];
```

```
    i++;
```

}

```
    st.push(word);
```

}

```
while (!st.empty())
```

{

```
    cout << st.top() << " ";
```

```
    st.pop();
```

}

```
cout << endl;
```

NOTES

{