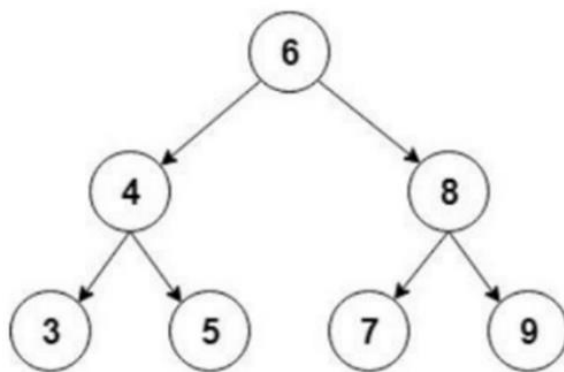


Lab Assignment [DSA] - 4

Q1 Write a java program to find the value of 3 raised to 6 using recursion.

Q2



Using above Fig find the Traversal order for each case

1 In-order Traversal

2 In pre-order Traversal

3 In Post-order

Q3

Consider the following recursion function.

$A(x, y)$

{

if($x==0$)

{

```
return (y+1);  
}  
if(y==0)  
{  
    return (A(x-1,1));  
}  
else  
{  
    return (A(x-1,A(x,y-1)));  
}  
}
```

What is the output_____. if A(1,5) is called? Explain the Concept.