

Day 24/180 Time and Space Complexity

Find the Time Complexity Big(O), Theta, Omega:

1. `for(int i=1;i<=n*n;i++)`
 `cout<<"Coder Army";`

2: `for(int i=1;i<=n*n;i=i+2)`
 `cout<<"Coder Army";`

3: `for(int i=1;i<=n;i++)`
 `for(int j=1;j<=n;j=j+5)`
 `cout<<"Coder Army";`

4: `for(int i=1;i<=n;i++)`
 `for(int j=i;j<=n;j=j++)`
 `cout<<"Coder Army";`

5: `for(int i=1;i<=n;i++)`
 `for(int j=1;j<=n;j=j*4)`
 `cout<<"Coder Army";`

6: `for(int i=1;i<=n;i=i*2)`
 `for(int j=1;j<=i;j=j++)`
 `cout<<"Coder Army";`

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7: for(int i=1;i<=n;i++)  
    for(int j=1;j<=n;j=j++)  
        for(int k=1;k<=n;k=k*3)  
            cout<<"Coder Army";
```

```
8: for(int i=1;i<=n;i++)  
    for(int j=1;j<=n;j=j++)  
        for(int k=1;k<=n;k++)  
            cout<<"Coder Army";
```

Learn more about the Auxiliary Space Complexity and Total Space Complexity.