

Homework 09

Q1,Q2,Q3

```
#include<iostream>

using namespace std;

int main(){

    double *d_var,*d_array;

    d_var= new double;

    d_array= new double[10];

    cout<<"Enter value:";

    cin>>*d_var;

    cout<<*d_var<<endl;

    for(int i=0; i<10; i++){

        cout<<"Enter values for the array" <<" "<<i+1<<":";

        cin>>d_array[i];

    }

    for(int i=0;i<10;i++){

        cout<<d_array[i];

    }

    delete d_var;

    delete []d_array;

    return 0;

}
```

Q4

```
#include<iostream>

using namespace std;

int main(){
    int *n,*max;
    int *array;
    n= new int;
    max=new int;
    array= new int [100];
    cout<<"Input total number of elements (1 to 100):";
    cin>>*n;

    for(int i=0; i<*n; i++){
        cout<<"Number"<<" "<<i+1<<":";
        cin>>array[i];
    }
    *max=array[0];
    for(int i=0; i<*n; i++){
        if(*max<array[i])
            *max=array[i];
    }
    cout<<"Largest number:"<<*max<<endl;
}
```

Q5

```
#include<iostream>

using namespace std;

struct Time{
    int hour;
    int minutes;
};

int main (){
    Time *timeptr=new Time();
    (*timeptr).hour=10;
    (*timeptr).minutes=20;
    cout<<"Time:"<<(*timeptr).hour<<"hours"<<" &
"<<(*timeptr).minutes<<"minutes"<<endl;
    return 0;
}
```

Q6

```
#include<iostream>
#include<stdlib.h>
#include<cstring>
using namespace std;

int *count;

void c_letter(string s){

    count= new int[26]{0};
    int l;
    for(int i=0;i<s.length(); i++){
        l=toupper(s[i])-65;
        *(count+l)=*(count+1)+1;
    }
}

int main () {
    string str;
    cout<<"Enter the string:";
    getline(cin,str);

    c_letter(str);
    for(int i=0; i<26; i++)
        if(count[i]>0)
            cout<<char (i+65)<<": "<<count[i]<<endl;

    delete [] count;
    return 0;

}
```