CREATED

BY

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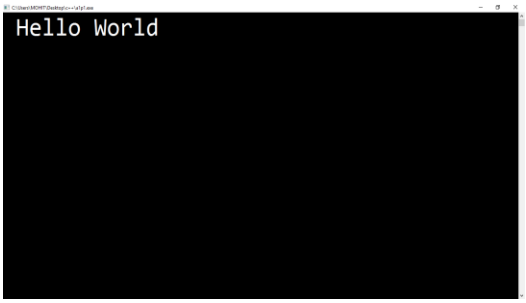
4th semester.

```
//1st programme
#include<stdio.h>
#include<iostream>
#include<conio.h>
using namespace std;
int main()
   {
      cout << " Hello World ";
      getch();
      return 0;
   }
```

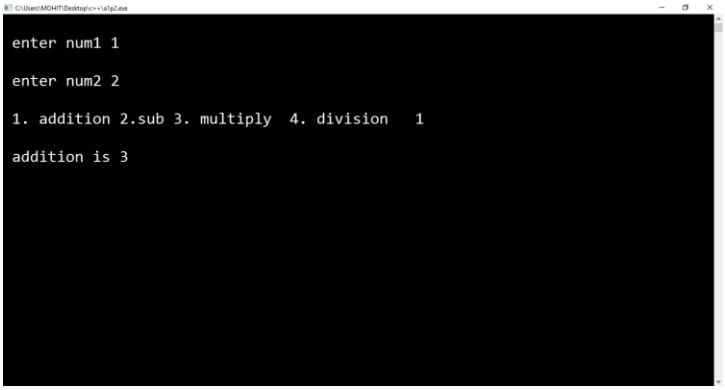


```
//2nd programme
#include<stdio.h>
#include<conio.h>
int main()
      {
         int num1,num2;
         int option;
         printf("\n enter num1 ");
         scanf("%d",&num1);
         printf("\n enter num2 ");
         scanf("%d",&num2);
               printf("\n 1. addition 2.sub 3. multiply  4.
division   ");
               scanf("%d",&option);
                    switch(option)
                  {

                        case 1:
```

```
                printf("\n addition is
%d",num1+num2);
                break;
            case 2:
                printf("\n substraction is %d
",num1-num2);
                break;
            case 3:
                printf("\n multipication is
%d",num1*num2);
                break;
            case 4:
                printf("\n division is
%d",num1/num2);
                break;
            default:
                printf("\n invalid option ");
                break;
```

```
                    }
                    getch();
return 0;
        }
```



```
//3rd  programme
#include<stdio.h>
#include<conio.h>
void powerofx(int,int);
int main()
{
    int num1,num2;
   // int power;
        printf("\n enter base ");
    scanf("%d",&num1);
        printf("\n enter power");
    scanf("%d",&num2);
        powerofx(num1,num2);
  //  printf("\n num1 rest to num2 is %d",power);
  getch();
    return 0;
```

```
}
void powerofx(int num1,int num2)
   {
      int poweris=1;
      int i;
         for(i=1;i<=num2;i++)
         {
            poweris=poweris*num1;
         }
         printf("\n power is %d",poweris);
         //return poweris;
   }
```

```
//4th programme
#include<stdio.h>
#include<conio.h>
#include<iostream>
using namespace std;
void sumof_array(int arr[],int sized);
void sumof_array(int arr[],int sized)
   {
      int sum=0,i;
            for(i=0;i<sized;i++)
            {
               sum=sum+arr[i];

            }
            cout << sum << endl;

   }
```

```
int main()
    {
        int length,arr[50],i;
    cout << "enter a length of array ";
    cin >> length;
            for(i=0;i<length;i++)
            {
                cout << " enter an element  " << endl;
                cin >> arr[i];


            }


            sumof_array(arr,length);
            return 0;
    }
```


C:\Users\MOHIT\Desktop\c++\sum_array.exe
2
enter an element
3
enter an element
4
enter an element
5
15

```
//5th programme
#include<stdio.h>
	int main()
	{
	   int num,i,cnt=0;
		printf("\n enter a number");
		scanf("%d",&num);
			for(i=2;i<num;i++)
			{

			   if(num%i==0)
			   {
			      cnt++;
			   }
			}
			   if(cnt==1)
			      printf("\n no is not prime ");
```

```
        else
            printf("\n no is prime ");
    getch();
    return 0;
}
```

```
//6th programme
#include<stdio.h>
#include<conio.h>
#include<iostream>
#include<string.h>
        using  namespace std;
        void pallindrom();
        void pallindrom()
           {
              int length,i,j,flag=0;
                 char str[10],pallin[10];
                 cout << "enter a string " << endl;
                 cin >> str;
                 length=strlen(str);
                 strcpy(pallin,str);
                 strrev(pallin);
                       for(i=0;i<length;i++)
```

```
        {
            if(str[i]!=pallin[i])
            {
               flag=1;
               break;
            }

        }
        if(flag==1)
        {
           cout << "string is not pallindrom ";
        }
        else
        {
           cout << " string is pallindrom ";
        }
}
```

```
int main()
    {
        pallindrom();
        getch();
        return 0;
    }
```

```
//7th programme
#include<stdio.h>
#include<conio.h>
#include<iostream>
#include<istream>
#include<ostream>
using namespace std;
void print();
	int main()
	  {
	    print();
	    getch();
	    return 0;
	  }

void print()
	{
```

```
    int n1=0,n2=1;
    int num,limit,cnt=0;
          cout << "enter a limit ";
          cin >> limit;

     cout << n1<< endl ;
     cout << n2 << endl;
    // cnt=2;
       while(cnt<limit)
       {
          num=n2+n1;
             cout << num << endl;
             n1=n2;
             n2=num;
             cnt++;
       }
}
```


"C:\Users\MOHIT\Desktop\c++\Fibonacci series.exe"
enter a limit 4
0
1
1
2
3
5

```
//8th programme
#include<stdio.h>
#include<conio.h>
#include<iostream>
using namespace std;
        void sort_array(int arr[],int length);
        void sort_array(int arr[],int length)
              {

                 int i,temp,j;
                 for(j=0;j<length-1;j++)
                 {
        for(i=0;i<=length-j-1;i++)
        {

           if(arr[i]>arr[i+1])
           {
```

```
                temp=arr[i];
                  arr[i]=arr[i+1];
                  arr[i+1]=temp;
               }
          }
                    }

for(j=0;j<length;j++)
{
   cout << arr[j] << "\n" ;

}
          }
                int main()
                      {
                            int arr[10],length,i;
                            cout << "enter a length " <<
endl;
```

```
    cin >> length;
      for(i=0;i<length;i++)
      {
         cout << "enter a number ";
         cin >> arr[i];
         cout << endl;
      }
          sort_array(arr,length);
          getch();
          return 0;
}
```