**PROGRAMS :** To find the median variance and mean of the data given

**//21co24 ETHAN MENEZES**

**#include <iostream>**

**#include <math.h>**

**using namespace std;**

**int main()**

**{ double arr[6],sum=0,mean,var=0,std\_dev;**

**int i;**

**cout<<"enter 6 nos\n";**

**for(i=0;i<6;i++)**

**{ cin>>arr[i];**

**sum+=arr[i];**

**}**

**mean=sum/6.0;**

**cout<<"Dataset:";**

**for(i=0;i<6;i++)**

**{ var+=pow((arr[i]-mean),2);**

**cout<<arr[i]<<" ";**

**}**

**std\_dev=sqrt(var/6.0);**

**cout<<endl<<"mean:\t"<<mean<<endl;**

**cout<<"variance:\t"<<var<<endl;**

**cout<<"std\_dev:\t"<<std\_dev;**

**return 0;**

**}**

Input: 6 7 5 4 7 8

Output:

