**qwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmrtyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmrtyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmrtyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmrtyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmrtyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmrtyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmrtyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnmqwertyuiopasdfghjklzxcvbnm**

|  |
| --- |
| Programming Fundamentals  Muhammad Abdullah  11/26/2019  SE-A  19F-0916 |

Question number 1:

PROGRAM:

#include <iostream>

using namespace std;

int main()

{

int a[20];

int b[6]={0};

cout<<"Enter values from 0 to 5 : ";

for(int i=0;i<20;i++)

{

cin>>a[i];

}

for(int i=0;i<20;i++)

{

++b[a[i]];

}

cout<<endl;

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

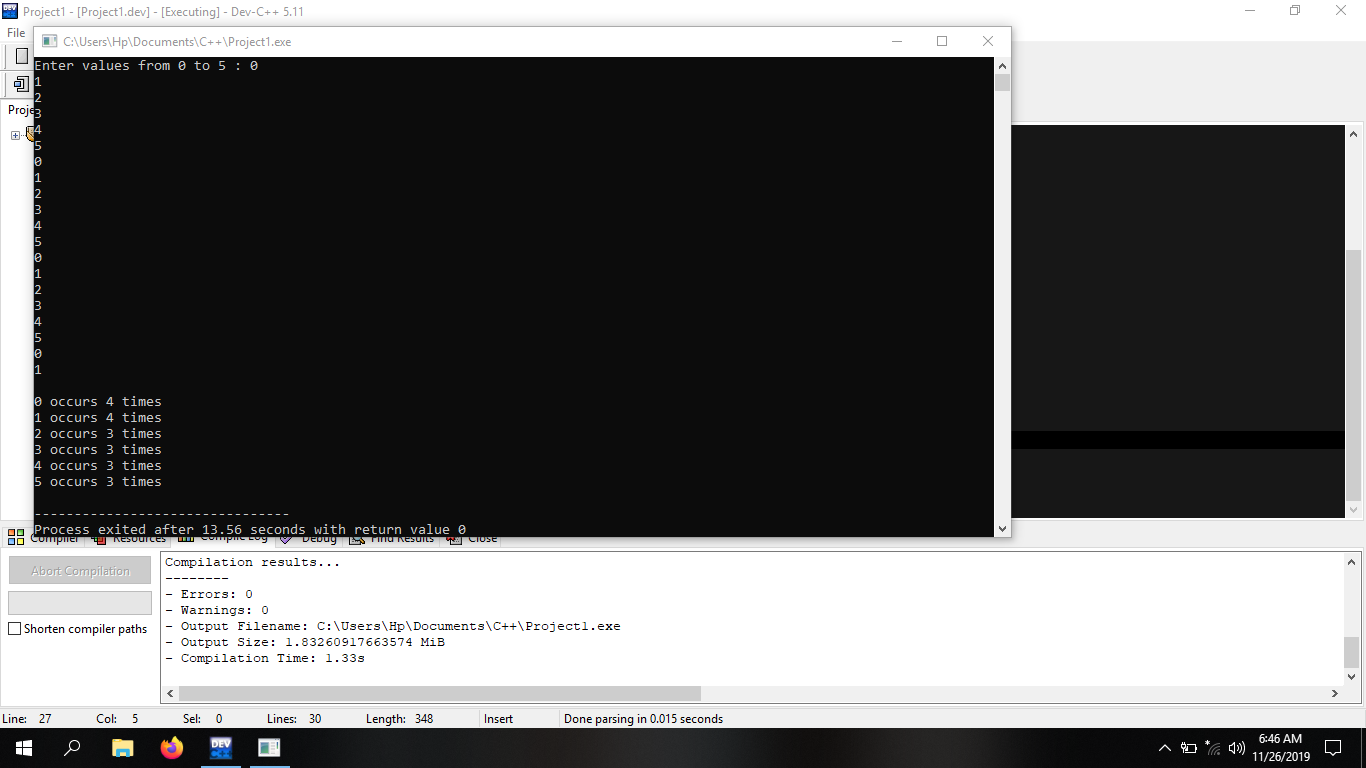
{

cout<<i<<" occurs "<<b[i]<<" times"<<endl;

}

return 0;

}



Question Number 2:

PROGRAM:

#include <iostream>

using namespace std;

int main()

{

int a[5];

int temp=0;

cout<<"Enter thw value in array : ";

for(int i=0;i<5;i++)

{

cin>>a[i];

}

temp=a[0];

a[0]=a[4];

a[4]=temp;

cout<<endl;

for(int i=0;i<5;i++)

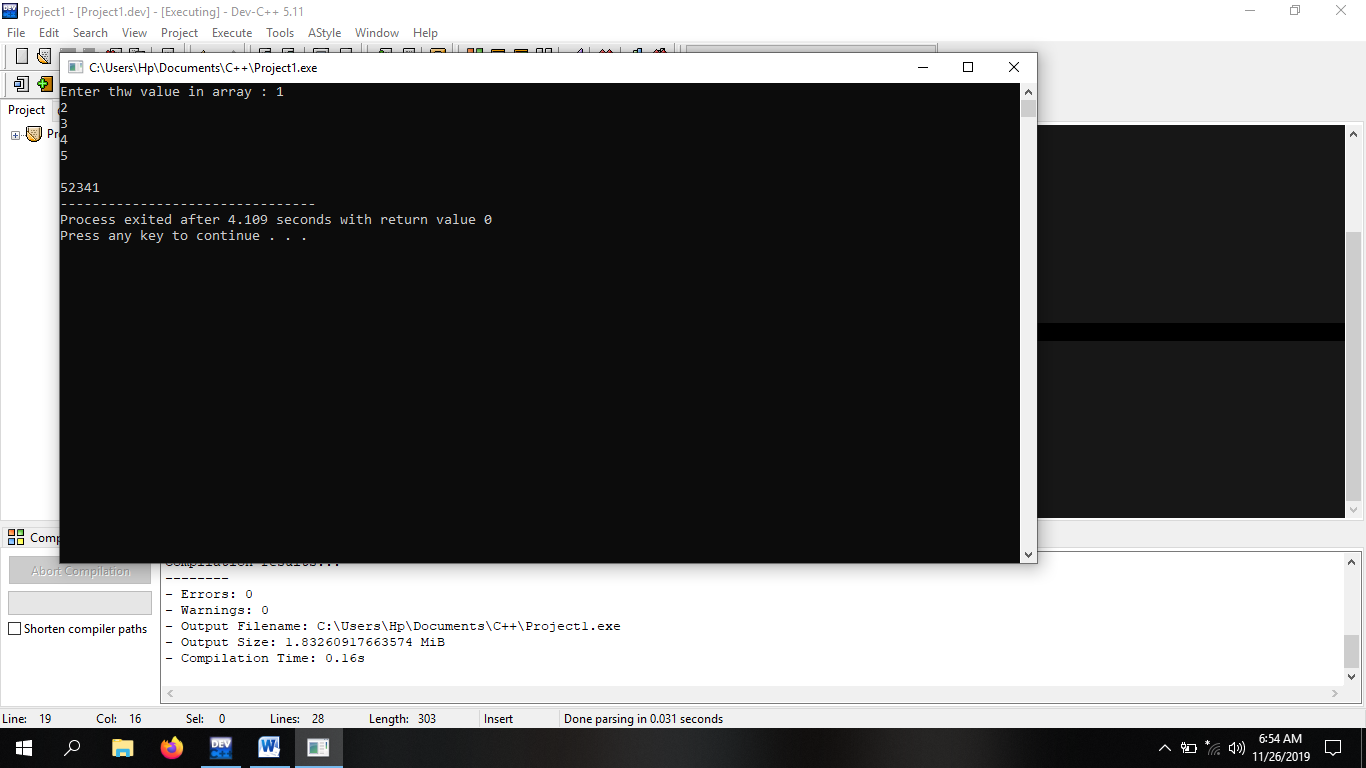
{

cout<<a[i];

}

return 0;

}



Question Number 3:

PROGRAM:

DECENDING ORDER:

#include <iostream>

using namespace std;

int main()

{

int a[10];

int temp=0;

cout<<"Enter thw value in array(10 elements) : ";

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

{

cin>>a[i];

}

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

{

for(int j=i+1;j<=10;j++)

{

if (a[i] > a[j])

{

temp=a[i];

a[i]=a[j];

a[j]=temp;

}

}

}

for(int i=9;i>=0;i--)

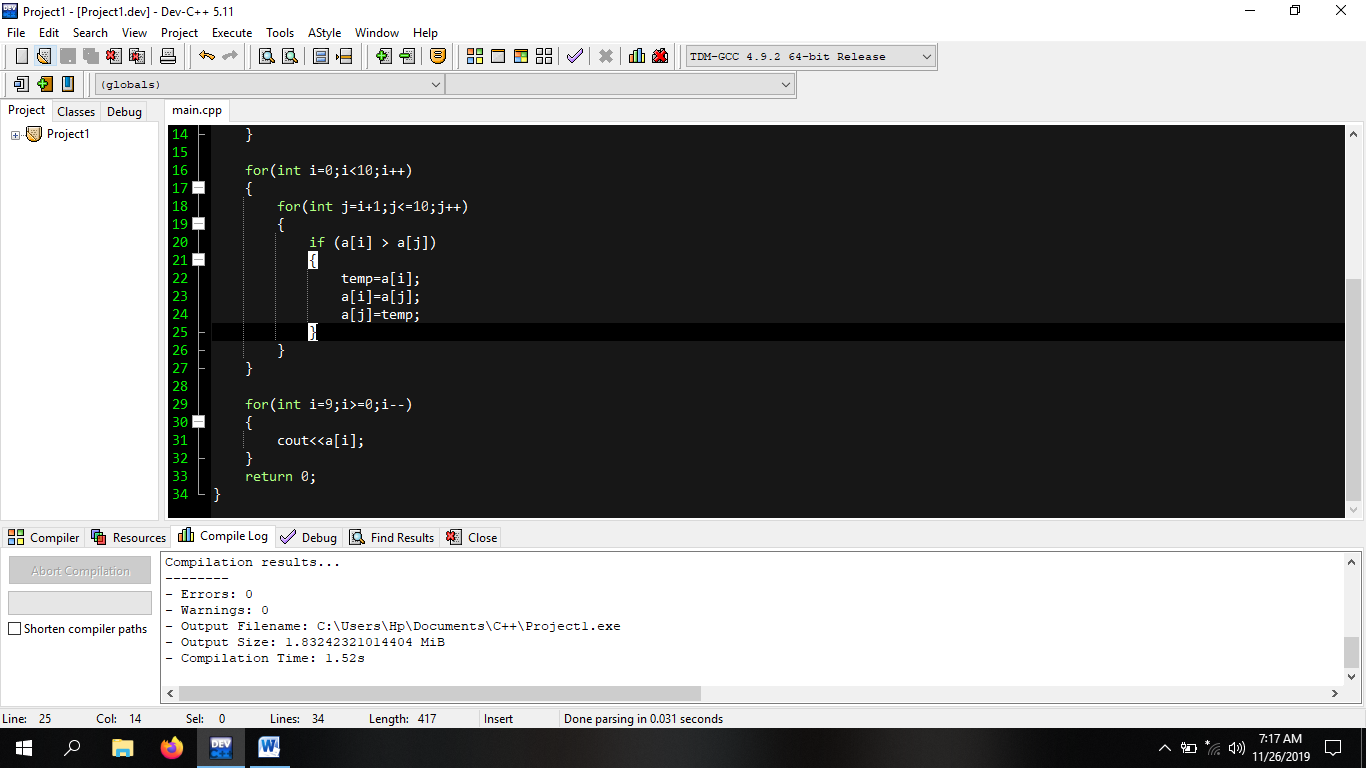
{

cout<<a[i];

}

return 0;

}



ASCENDING ORDER:

#include <iostream>

using namespace std;

int main()

{

int a[10];

int temp=0;

cout<<"Enter thw value in array(10 elements) : ";

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

{

cin>>a[i];

}

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

{

for(int j=i+1;j<=10;j++)

{

if (a[i] > a[j])

{

temp=a[i];

a[i]=a[j];

a[j]=temp;

}

}

}

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

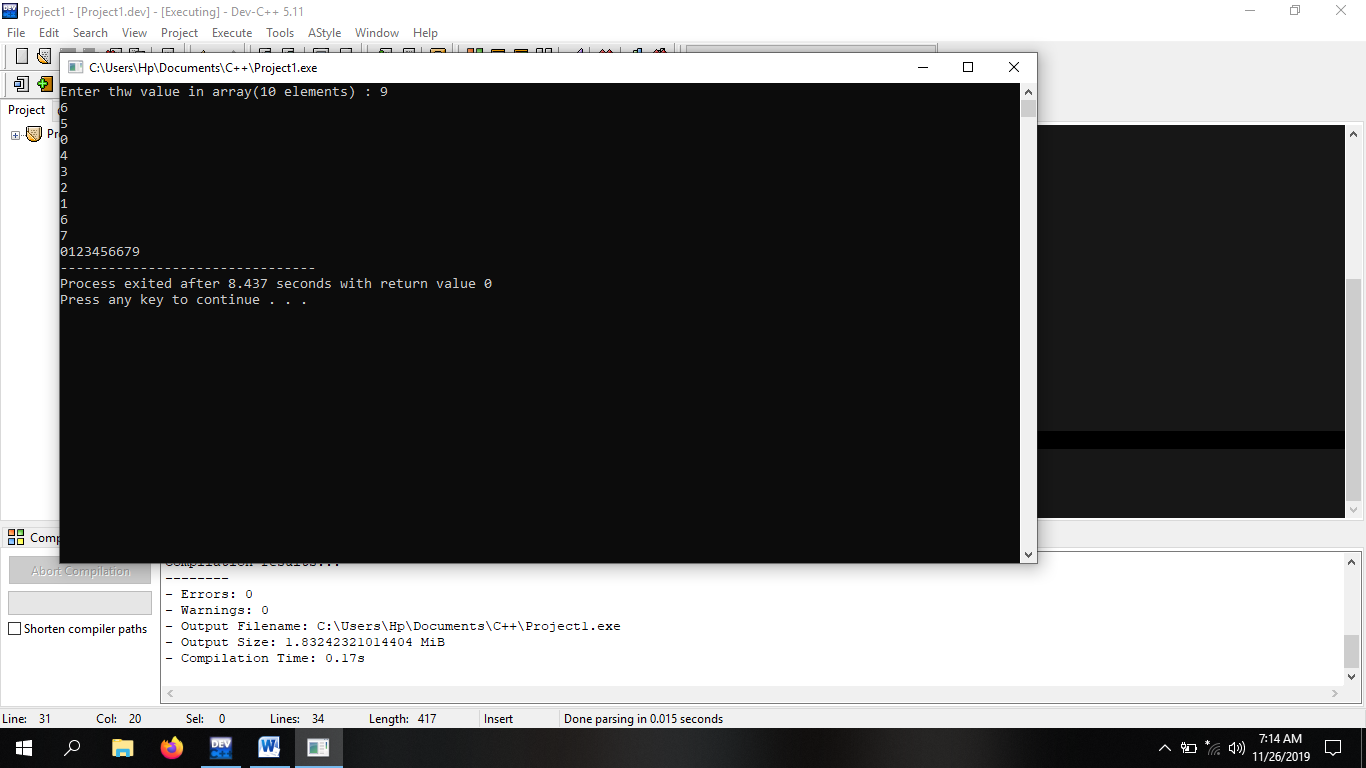
{

cout<<a[i];

}

return 0;

}



Question Number 4:

PROGRAM:

ASCENDING ORDER:

#include <iostream>

using namespace std;

int main()

{

float a[10];

float temp;

cout<<"Enter thw value in array(10 float elements) : ";

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

{

cin>>a[i];

}

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

{

for(int j=i+1;j<10;j++)

{

if (a[i] > a[j])

{

temp=a[i];

a[i]=a[j];

a[j]=temp;

}

}

}

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

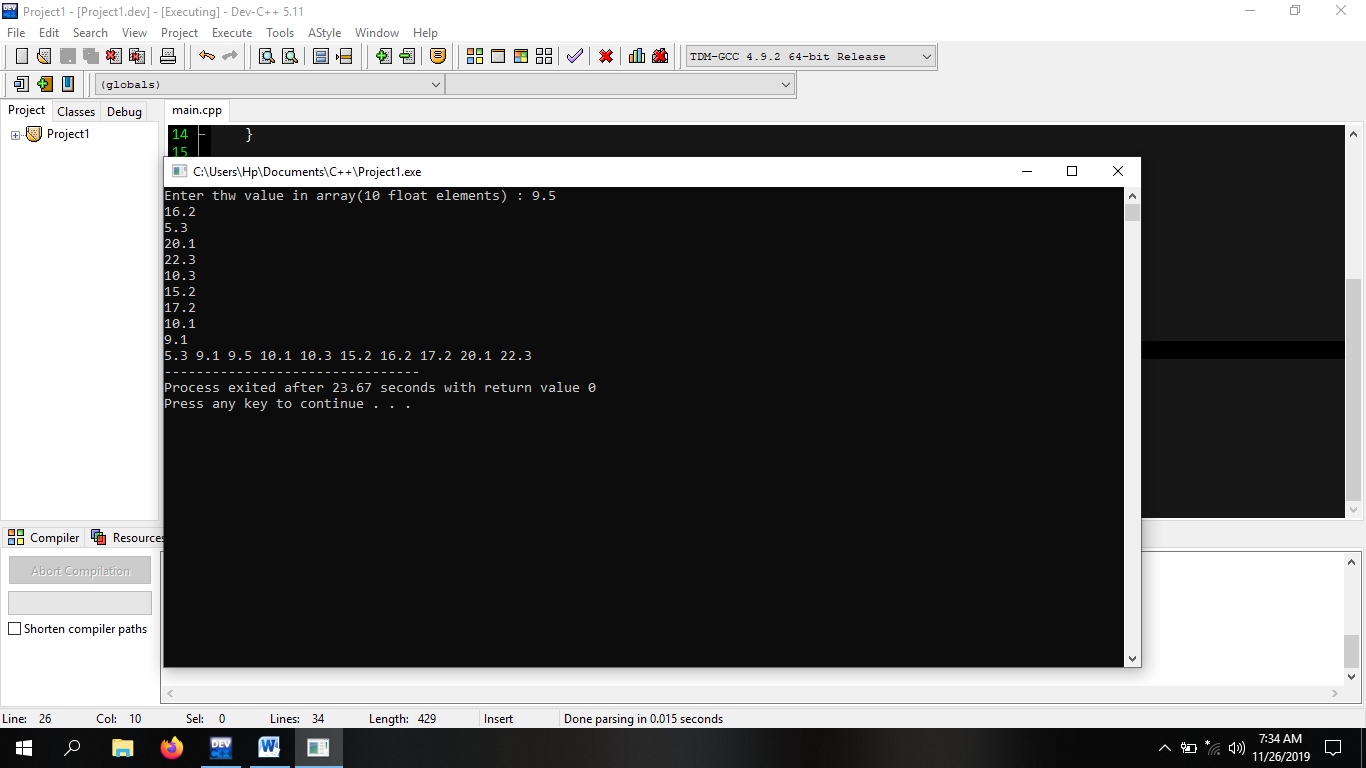
{

cout<<a[i]<<" ";

}

return 0;

}



DECENDING ORDER:

#include <iostream>

using namespace std;

int main()

{

float a[10];

float temp;

cout<<"Enter thw value in array(10 float elements) : ";

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

{

cin>>a[i];

}

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

{

for(int j=i+1;j<10;j++)

{

if (a[i] > a[j])

{

temp=a[i];

a[i]=a[j];

a[j]=temp;

}

}

}

for(int i=9;i>=0;i--)

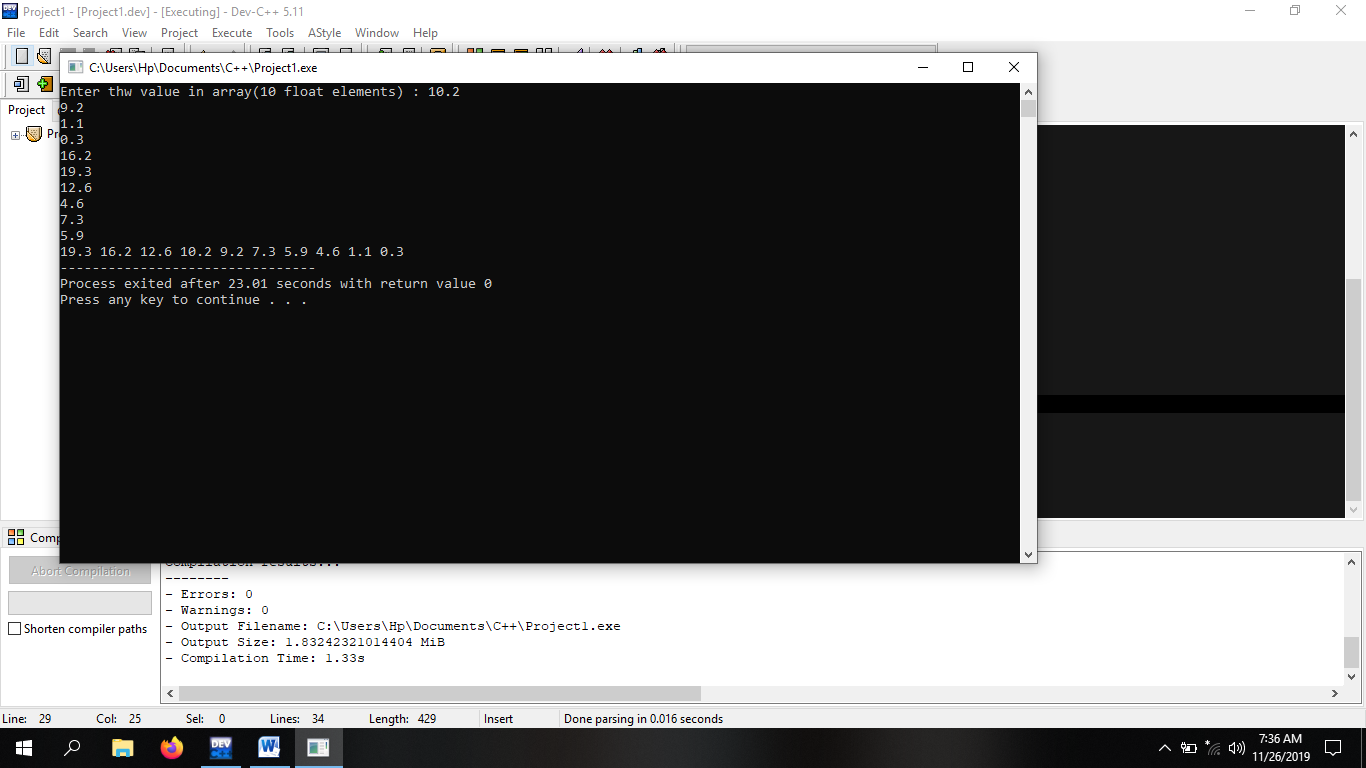
{

cout<<a[i]<<" ";

}

return 0;

}



Question Number 5:

PROGRAM:

ASCENDING ORDER:

#include <iostream>

using namespace std;

int main()

{

char a[10];

char temp;

cout<<"Enter thw value in array(10 char elements) : ";

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

{

cin>>a[i];

}

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

{

for(int j=i+1;j<10;j++)

{

if (a[i] > a[j])

{

temp=a[i];

a[i]=a[j];

a[j]=temp;

}

}

}

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

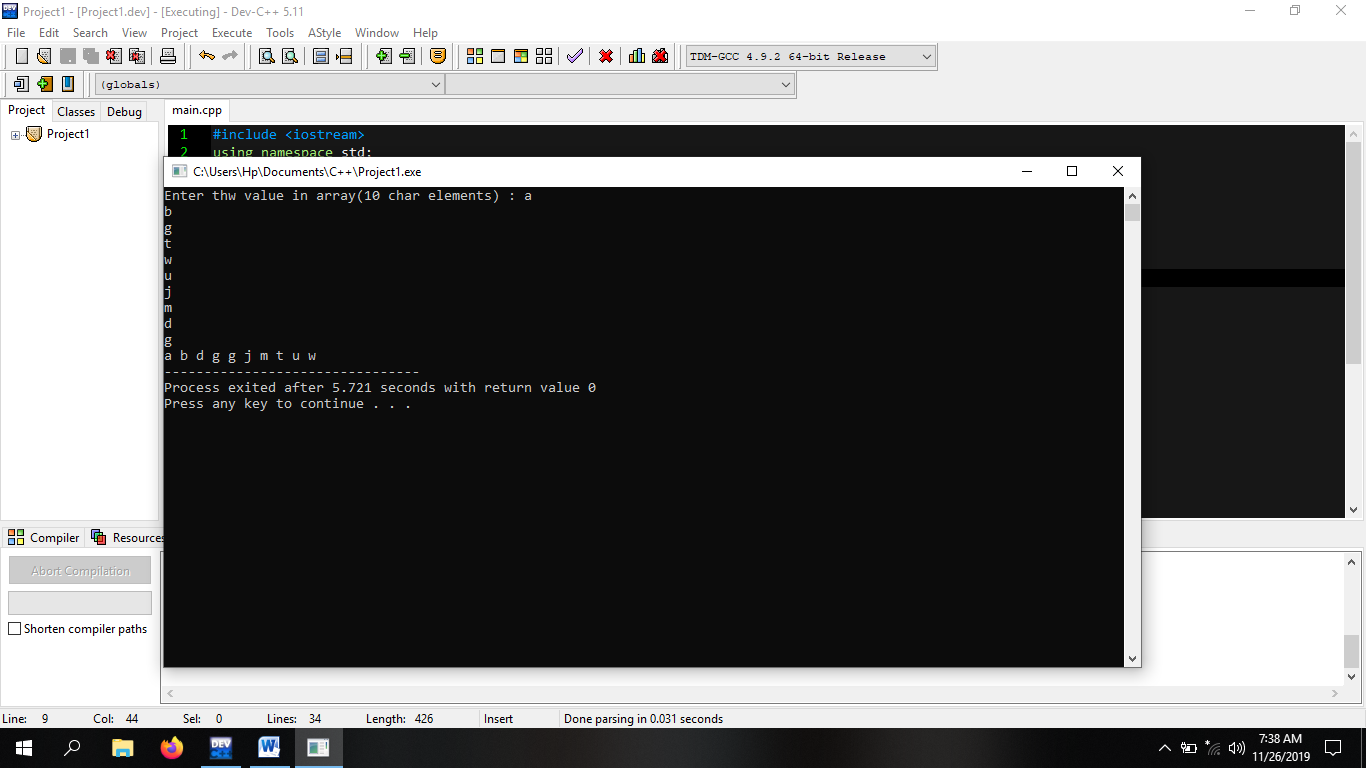
{

cout<<a[i]<<" ";

}

return 0;

}



DECENDING ORDER:

#include <iostream>

using namespace std;

int main()

{

char a[10];

char temp;

cout<<"Enter thw value in array(10 char elements) : ";

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

{

cin>>a[i];

}

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

{

for(int j=i+1;j<10;j++)

{

if (a[i] > a[j])

{

temp=a[i];

a[i]=a[j];

a[j]=temp;

}

}

}

for(int i=9;i>=0;i--)

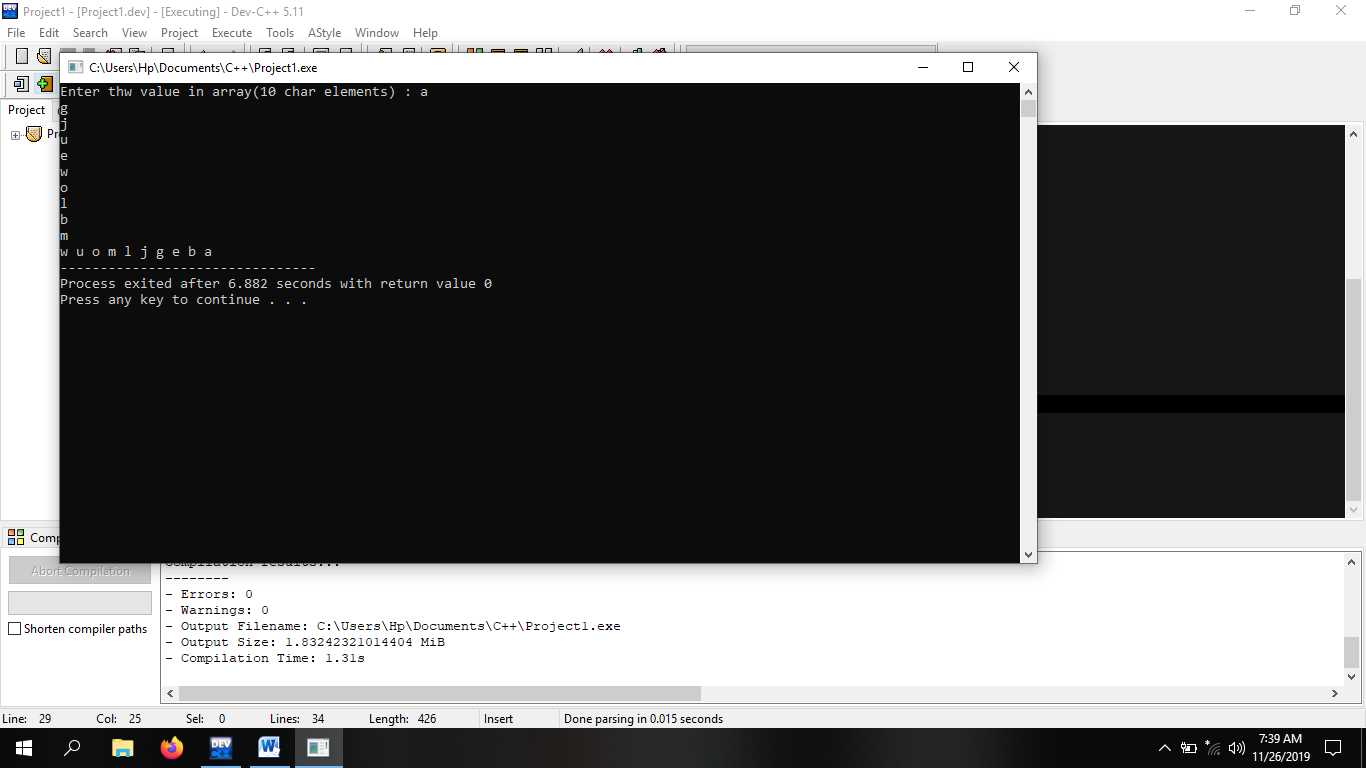
{

cout<<a[i]<<" ";

}

return 0;

}



Question Number 6:

PROGRAM:

ASCENDING ORDER:

#include <iostream>

using namespace std;

int main()

{

int a[10];

int temp=0;

cout<<"Enter thw value in array(10 elements) : ";

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

{

cin>>a[i];

}

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

{

for(int j=i+1;j<=10;j++)

{

if (a[i] > a[j])

{

temp=a[i];

a[i]=a[j];

a[j]=temp;

}

}

}

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

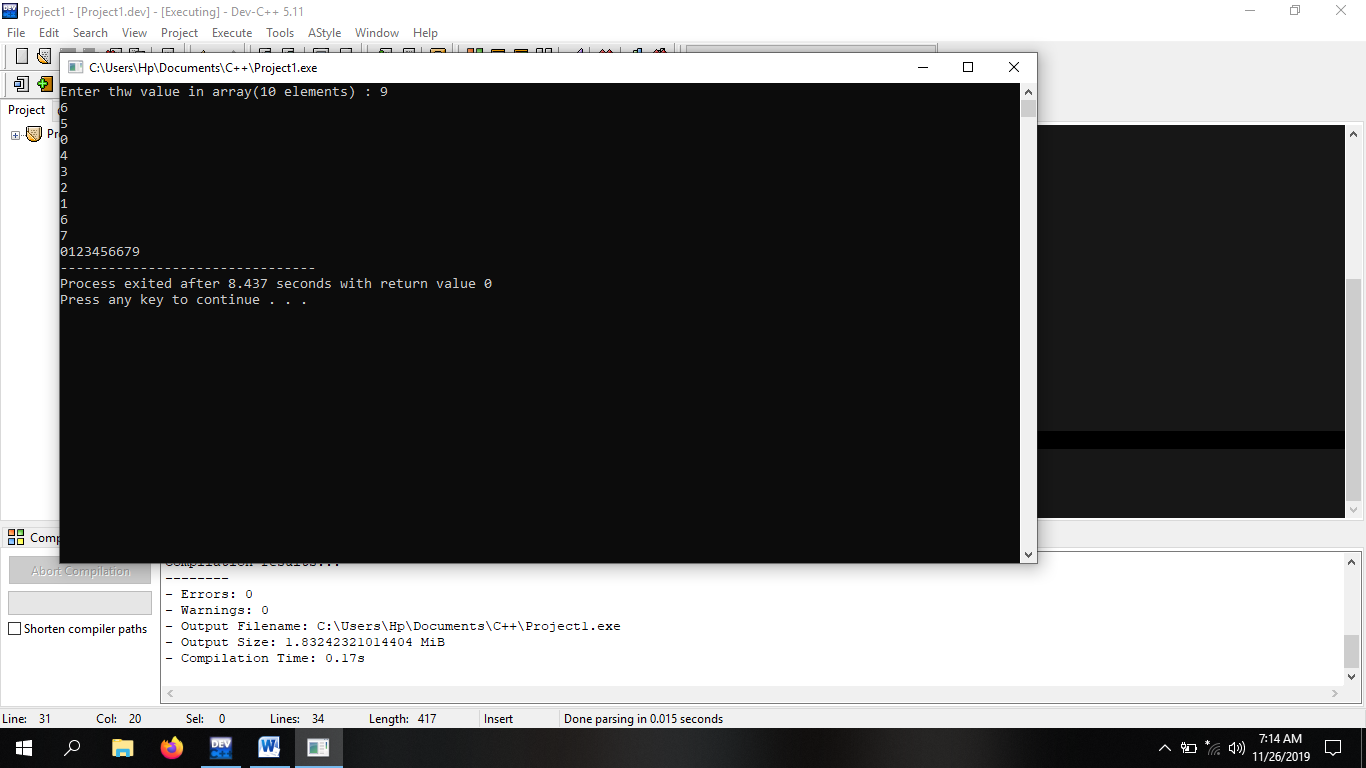
{

cout<<a[i];

}

return 0;

}



DECENDING ORDER:

#include <iostream>

using namespace std;

int main()

{

int a[10];

int temp=0;

cout<<"Enter thw value in array(10 elements) : ";

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

{

cin>>a[i];

}

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

{

for(int j=i+1;j<=10;j++)

{

if (a[i] > a[j])

{

temp=a[i];

a[i]=a[j];

a[j]=temp;

}

}

}

for(int i=9;i>=0;i--)

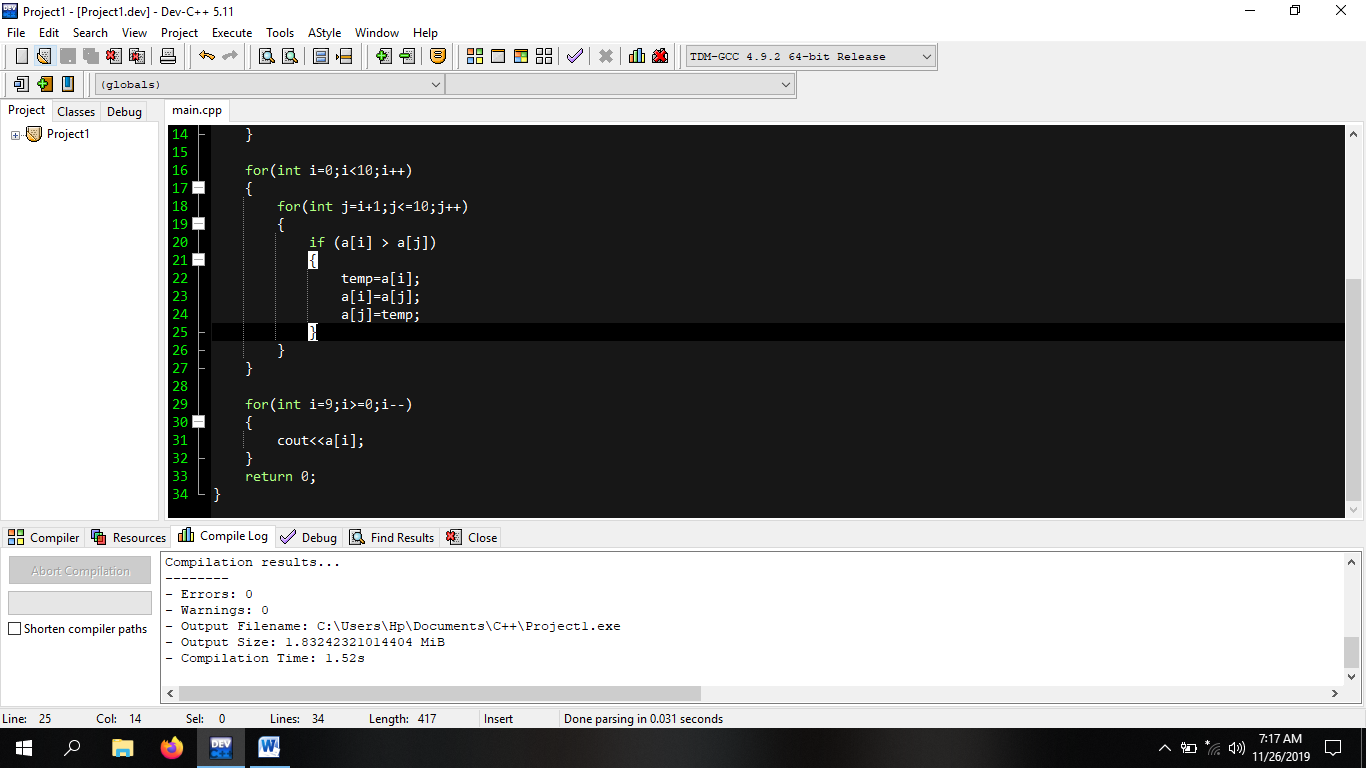
{

cout<<a[i];

}

return 0;

}



Question Number 7:

PROGRAM:

#include <iostream>

using namespace std;

void Ascending(int a[]);

void Decending(int a[]);

int main()

{

int a[10];

int temp;

cout<<"Enter thw value in array(10 char elements) : ";

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

{

cin>>a[i];

}

cout<<"Ascending order of array :";

Ascending(a);

cout<<endl;

cout<<"Decending order of array :";

Decending(a);

return 0;

}

void Ascending(int a[10])

{

int temp;

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

{

for(int j=i+1;j<10;j++)

{

if (a[i] > a[j])

{

temp=a[i];

a[i]=a[j];

a[j]=temp;

}

}

}

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

{

cout<<a[i]<<" ";

}

}

void Decending(int a[10])

{

int temp;

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

{

for(int j=i+1;j<10;j++)

{

if (a[i] > a[j])

{

temp=a[i];

a[i]=a[j];

a[j]=temp;

}

}

}

for(int i=9;i>=0;i--)

{

cout<<a[i]<<" ";

}

}

