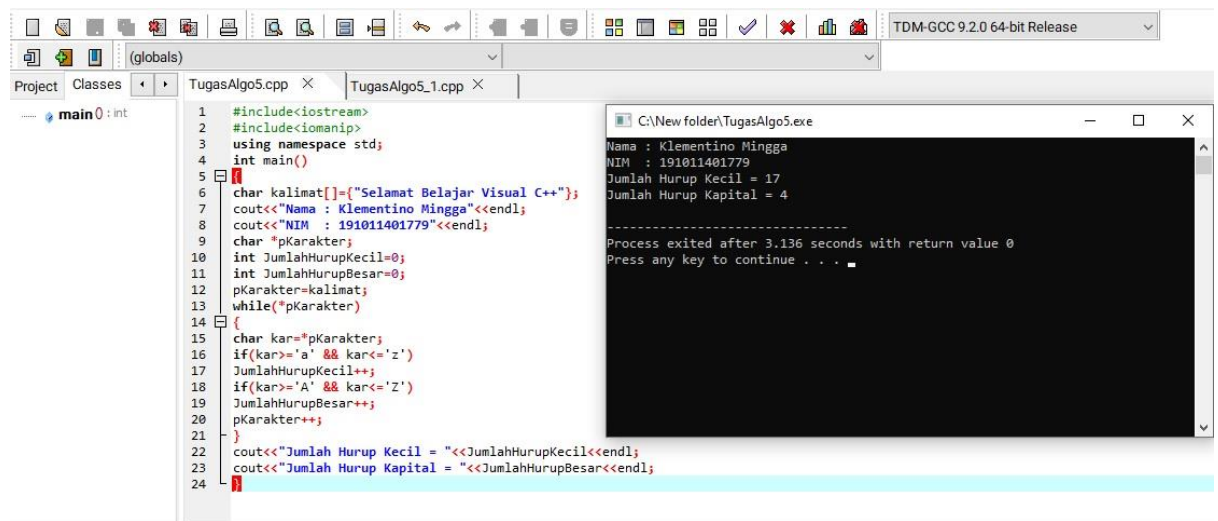


Nama : Klementino Minggu

Nim : 191011401779

```
1. #include<iostream>
#include<iomanip>
using namespace std;
int main()
{
char kalimat[]={ "Klementino Minggu"};
cout<<"Nama : Klementino Minggu"<<endl;
cout<<"Nim : 191011401779"<<endl;
char *pKarakter;
int JumlahHurupKecil=0;
int JumlahHurupBesar=0;
pKarakter=kalimat;
while(*pKarakter)
{
char kar=*pKarakter;
if(kar>='a' && kar<='z')
JumlahHurupKecil++;
if(kar>='A' && kar<='Z')
JumlahHurupBesar++;
pKarakter++;
}
cout<<"Jumlah Hurup Kecil = "<<JumlahHurupKecil<<endl;
cout<<"Jumlah Hurup Kapital = "<<JumlahHurupBesar<<endl;
}
```



The screenshot shows a C++ IDE with two windows. The left window, titled 'TugasAlgo5.cpp', displays the C++ code from the previous block. The right window, titled 'C:\New folder\TugasAlgo5.exe', shows the program's output. The output displays the name 'Klementino Minggu', the NIM '191011401779', and the counts for lowercase and uppercase letters: 'Jumlah Hurup Kecil = 17' and 'Jumlah Hurup Kapital = 4'. The program then exits after 3.136 seconds.

```
1 #include<iostream>
2 #include<iomanip>
3 using namespace std;
4 int main()
5 {
6 char kalimat[]={ "Selamat Belajar Visual C++"};
7 cout<<"Nama : Klementino Minggu"<<endl;
8 cout<<"NIM : 191011401779"<<endl;
9 char *pKarakter;
10 int JumlahHurupKecil=0;
11 int JumlahHurupBesar=0;
12 pKarakter=kalimat;
13 while(*pKarakter)
14 {
15 char kar=*pKarakter;
16 if(kar>='a' && kar<='z')
17 JumlahHurupKecil++;
18 if(kar>='A' && kar<='Z')
19 JumlahHurupBesar++;
20 pKarakter++;
21 }
22 cout<<"Jumlah Hurup Kecil = "<<JumlahHurupKecil<<endl;
23 cout<<"Jumlah Hurup Kapital = "<<JumlahHurupBesar<<endl;
24 }
```

```
C:\New folder\TugasAlgo5.exe
Nama : Klementino Minggu
NIM : 191011401779
Jumlah Hurup Kecil = 17
Jumlah Hurup Kapital = 4

Process exited after 3.136 seconds with return value 0
Press any key to continue . . .
```

```

2. #include<stdio.h>

#define JML_MHS 9 //Banyaknya Mahasiswa

#define JML_MK 5 //Jumlah mata Kuliah /

int main()

{

    printf("Nama : Klementino Minggu");

    printf("\n");

    printf("Nim : 191011401779");

    printf("\n");

    int i,k;

    int *pNilaiMHS[JML_MHS],NILAI[JML_MHS][JML_MK];

    FILE *pF;

    for(i=0;i<=JML_MHS-1;i++)

    {

        pNilaiMHS[i]=NILAI[i];

    }

    if((pF=fopen("C:\\kampus\\program\\c++\\array3\\data.txt","r"))==NULL)

    {

        printf("File tidak dapat dibuka\n");

    }

    else

    {

        for(i=0;i<JML_MHS;i++)

        for(k=0;k<JML_MK;k++)

        fscanf(pF,"%d",&NILAI[i][k]);

    }

    for(i=0;i<JML_MHS;i++)

```

```

{

    for(k=0;k<JML_MK;k++)

    {

        printf("%d ",*pNilaiMHS[i]);

    }

    printf("\n");

}

fclose(pF);

}

```

The screenshot shows a C++ IDE with two windows. The left window displays the source code for 'TugasAlgo5_1.cpp', and the right window shows the execution output of 'TugasAlgo5_1.exe'.

Source Code (TugasAlgo5_1.cpp):

```

1 #include<stdio.h>
2 #define JML_MHS 9 //Banyaknya Mahasiswa
3 #define JML_MK 5 //Jumlah mata Kuliah
4 int main()
5 {
6     printf("Nama : Klementino Minngga");
7     printf("\n");
8     printf("Nim : 191011401779");
9     printf("\n");
10    int i,k;
11    int *pNilaiMHS[JML_MHS],NILAI[JML_MHS][JML_MK];
12    FILE *pF;
13    for(i=0;i<JML_MHS-1;i++)
14    {
15        pNilaiMHS[i]=NILAI[i];
16    }
17    if((pF=fopen("C:\\kampus\\program\\c++\\array3\\data.txt","r"))==NULL)
18    {
19        printf("File tidak dapat dibuka\n");
20    }
21    else
22    {
23        for(i=0;i<JML_MHS;i++)
24        {
25            for(k=0;k<JML_MK;k++)
26                fscanf(pF,"%d",&NILAI[i][k]);
27        }
28        for(i=0;i<JML_MHS;i++)
29        {
30            for(k=0;k<JML_MK;k++)
31            {
32                printf("%d ",*pNilaiMHS[i]);
33            }
34            printf("\n");
35        }
36        fclose(pF);
37    }

```

Execution Output (TugasAlgo5_1.exe):

```

Nama : Klementino Minngga
Nim : 191011401779
0 10 20 30 40
1 11 21 31 41
2 12 22 32 42
3 13 23 33 43
4 14 24 34 44
5 15 25 35 45
6 16 26 36 46
7 17 27 37 47
8 18 28 38 48

-----
Process exited after 3.894 seconds with return value 0
Press any key to continue . . .

```