Nomor 1

```cpp
#include <iostream>
#include<string.h>
using namespace std;
int main()
{
char huruf[50];
int a ;
cout<<"Masukkan karakter = ";
cin.getline(huruf, 'a');
cout<<"jumlah karakter = ";
cout<<strlen(huruf);
getchar();
}
```

Nomor 2

```cpp
#include<iostream>
#include<string.h>
using namespace std;
int main(){
 char kalimat[100];
 cout<<"Masukan Kalimat :";
  cin.getline (kalimat , sizeof (kalimat) );
 int x = strlen(kalimat);
 for(int i=x-1;i>=0;i--){
 cout<<kalimat[i];
 }
 return 0;
}
```

Nomor 2

```cpp
#include <iostream>

#include <cctype>

#include <cstring>

using namespace std;

int main()

{

char teks[100]="KAMPUS UNGU INSTITUT BISNIS DAN INFORMATIKA KESATUAN";

char teks_baru[100];

cout <<teks<<endl;

for (int i=0; i<strlen(teks); i++) {

if(teks[i] >= 'a' && teks[i] <= 'z'){

teks_baru[i] = toupper(teks[i]);

}

else{

teks_baru[i] = tolower(teks[i]);

}

}

cout << "Hasil Perubahan = " << teks_baru << endl;

  return 0;

 }
```

Nomor 3

```cpp
#include <iostream>
#include <string.h>
#include <ctype.h>
using namespace std;
int main()
{
char a1[20]="Teknik";
char a2[20]="Informatika";
//clrscr();
cout<<a1<<endl;
cout<<a2<<endl;
strcat(a1, a2);
cout<<"Hasil Penggabungannya "<<a1;
getchar();
}
```