

Question no : 1

```
#include<bits/stdc++.h>
```

```
using namespace std;
```

```
int st[1000];
```

```
int top=-1;
```

```
// function for push the element
```

```
// into stack
```

```
int pop()
```

```
{
```

```
    int l=st[top];
```

```
    top--;
```

```
    return l;
```

```
}
```

```
//function for pop
```

```
// element from stack
```

```
void push(int n)
```

```
{
```

```
    top++;
```

```
    st[top]=n;
```

```
}
```

```
//Driver program
```

```
int main()
```

```
{
```

```
    ios_base::sync_with_stdio(false);
```

```
    cin.tie(NULL);
```

```

cout.tie(NULL);

string str;

cin>>str;

for(int i=0;i<str.size();i++)
{
    if(str[i]=='/')

        push(i);

    if(str[i]=='\\')
    {
        int l=pop();

        char temp;

        int m=i-1;

        // this is for reverse
        // the string
        for(int j=l+1;j<=(i+l)/2;j++)
        {
            temp=str[j];

            str[j]=str[m];

            str[m]=temp;

            m--;

        }

        string ans="";

        // copying str into ans
        for(int j=0;str[j];j++)
        {
            if(j!=l && j!=i)

```

```

        ans+=str[j];
    }
    str=ans;
    i=i-2;
}

}
cout<<str;
return 0;
}

```

Question no: 2

```

#include <iostream>
using namespace std;
int main()
{
    int idt, age;
    cout <<"Enter The customer idt: ";
    cin >> idt;
    cout << "Enter The customer age: ";
    cin >> age;
    //Condition Mention Here//
    if(age>60)
    {
        cout << "Unemployed: "<< idt << endl;
    }
    else if(age >= 40 && age <= 60)

```

```
{  
    cout << "Employed: "<< idt << endl;  
}  
else if(age >= 25 && age < 40)  
{  
    cout << "Worker: "<< idt << endl;  
}  
else if(age >= 11 && age < 25)  
{  
    cout << "Young: "<< idt << endl;  
}  
else  
{  
    cout << "Child: "<< idt << endl;  
}  
}
```