

**O'ZBEKISTON RESPUBLIKASI AXBOROT TEXNOLOGIYALARI VA  
KOMMUNIKATSIYALARINI RIVOJLANTIRISH VAZIRLIGI**

**MUHAMMAD AL-XORAZMIY NOMIDAGI TOSHKENT AXBOROT TEXNOLOGIYALARI  
UNIVERSITETI**

**FAKULTET: KAMPYUTER INJNERING (KIF)**



**AMALIY ISH №2**

**FAN: DASTURLASH**

**VARIANT № 5**

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## TOPSHIRIQ:

**STL forward\_list:** Bir tomonlama bog‘langan ro‘yxat yordamida elementlarni qo‘shish va o‘chirish mexanizmini yaratish.

DASTUR\_KODI:

```
#include <forward_list>
```

```
#include <iostream>
```

```
using namespace std;
```

```
int main(){
```

```
    forward_list<int> arr;
```

```
    int qiymat,a;
```

```
    do{
```

```
        cout<<"\t\tlist elementlari"<<endl;
```

```
        for(int son:arr){
```

```
            cout<<son<<" ";
```

```
        }
```

```
        cout<<endl;
```

```
        cout<<"\tqiymat qoshish :1\tqiymat ochirish :2\n";
```

```
        cout<<"\ttsikildan chiqish :3\n";
```

```
        cin>>a;
```

```
if(a==1){  
    cout<<"elementni kiriting >>> ";  
    cin>>qiymat;  
    arr.push_front(qiymat);  
    continue;  
}
```

```
else if(a==2){  
    cout<<"ochirimoqchi bolgan elementni kiriting >>  
";  
    cin>>qiymat;  
    arr.remove(qiymat);  
    continue;  
}  
else if(a==3){  
    break;  
}
```

```
        else{

            cout<<"hozircha boshqa ihslar qila olmayman!\n";

            continue;

        }

    }while(true);

    if(arr.empty()){

        cout<<"aka siz listga element yozmadingiz boshqa siz
bilan oynay olmayman!\n";

        return 0;

    }

    cout<<"marhamat sizning listingiz >>> ";

    for(int son:arr){

        cout<<son<<" ";

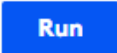
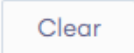
    }

    cout<<endl;

    return 0;

}
```

# DASTUR\_NATIJASI:

main.cpp		Output 
<pre>15 cin&gt;&gt;a, 16 if(a==1){ 17     cout&lt;&lt;"elementni kiriting &gt;&gt;&gt; "; 18     cin&gt;&gt;qiymat; 19     arr.push_front(qiymat); 20     continue; 21 } 22 else if(a==2){ 23     cout&lt;&lt;"ochirimoqchi bolgan         elementni kiriting &gt;&gt; "; 24     cin&gt;&gt;qiymat; 25     arr.remove(qiymat); 26     continue; 27 } 28 else if(a==3){ 29     break; 30 } 31 else{ 32     cout&lt;&lt;"hozircha boshqa ihsalar         qila olmayman!\n"; 33     continue; 34 } 35 }while(true); 36 if(arr.empty()){ 37     cout&lt;&lt;"aka siz listga element         yozmadingiz boshqa siz bilan         oynay olmayman!\n"; 38     return 0; 39 } 40 cout&lt;&lt;"marhamat sizning listingiz &gt;&gt;&gt; "; 41 for(int son:arr){ 42     cout&lt;&lt;son&lt;&lt;" "; 43 } 44 cout&lt;&lt;endl; 45 return 0;</pre>		<pre>list elementlari qiymat qoshish :1    qiymat ochirish :2 tsikildan chiqish :3 1 elementni kiriting &gt;&gt;&gt; 12 list elementlari 12 qiymat qoshish :1    qiymat ochirish :2 tsikildan chiqish :3 1 elementni kiriting &gt;&gt;&gt; 3 list elementlari 3 12 qiymat qoshish :1    qiymat ochirish :2 tsikildan chiqish :3 1 elementni kiriting &gt;&gt;&gt; 4 list elementlari 4 3 12 qiymat qoshish :1    qiymat ochirish :2 tsikildan chiqish :3 2 ochirimoqchi bolgan elementni kiriting &gt;&gt; 12 list elementlari 4 3 qiymat qoshish :1    qiymat ochirish :2 tsikildan chiqish :3 3 marhamat sizning listingiz &gt;&gt;&gt; 4 3  === Code Execution Successful ===</pre>