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Frequência F10

Busca Sequencial

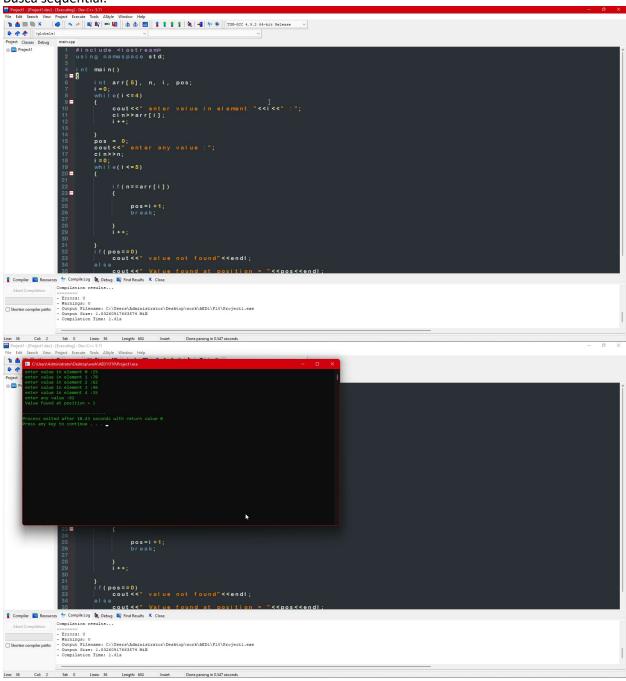
```
#include <iostream>
using namespace std;
int main()
  int arr[5], n, i, pos;
  i=0;
  while(i<=4)
    cout<<" enter value in element "<<i<" :";
    cin>>arr[i];
    i++;
  }
  pos = 0;
  cout<<" enter any value :";
  cin>>n;
  i=0;
  while(i<=5)
    if(n==arr[i])
      pos=i+1;
      break;
    }
    i++;
  if(pos==0)
    cout<<" value not found"<<endl;
    cout<<" Value found at position = "<<pos<<endl;</pre>
}
```

Busca Binária

```
#include <iostream>
using namespace std;
int main()
{
  int abc[10]={1,3,9,15,78,87,95,103,124,352};
  int loc, num, i, m, s=0,e=9;
  loc=0;
  cout<<" Enter any value: ";</pre>
  cin>>num;
  while(s<e)
    m=(s+e)/2;
    if(num==abc[m])
    {
      loc= m+1;
      break;
    }
    else if(num<abc[m])
      e=m-1;
    else
      s=m+1;
  if(loc==0)
    cout<<" Value not found"<<endl;
    cout<<" Value found at position = "<<loc<<endl;</pre>
}
```

Prints da execução

Busca sequential:



Busca binária:

