

```
1. #include <bits/stdc++.h>
using namespace std;
void reverseWords(string s)
{
    vector<string> tmp;
    string str = "";
    for (int i = 0; i < s.length(); i++)
    {
        if (s[i] == ' ')
        {
            tmp.push_back(str);
            str = "";
        }
        else
            str += s[i];
    }
}
```

```
}  
tmp.push_back(str);  
int i;  
for (i = tmp.size() - 1; i > 0; i--)  
    cout << tmp[i] << " ";  
cout << tmp[0] << endl;  
}  
  
int main()  
{  
    string s = "Hello world";  
    reverseWords(s);  
    return 0;  
}
```

C:\Users\kavya sree\Downloads\oop lab-2\oops41.exe

world Hello

Process exited after 9.083 seconds with return value 0
Press any key to continue . . . _

2. #include <iostream>

using namespace std;

int dictionaryContains(string word)

{

string dictionary[] =

{"hi", "how", "are", "you", "I", "am", "good"};

int size =

sizeof(dictionary)/sizeof(dictionary[0]);

for (int i = 0; i < size; i++)

if (dictionary[i].compare(word) == 0)

```
return true;
return false;
}

bool wordBreak(string str)
{
    int size = str.size();
    if (size == 0) return true;
    for (int i=1; i<=size; i++)
    {
        if (dictionaryContains( str.substr(0, i) ) &&
            wordBreak( str.substr(i, size-i) ))
            return true;
    }
    return false;
}
```

```
int main()
{
wordBreak("howareyou"? cout <<"Yes\n":
cout << "No\n";
wordBreak("iamgood"? cout <<"Yesn":
cout << "No\n";
wordBreak(")? cout <<"Yes\n": cout <<
"No\n";
wordBreak("areyougood"? cout <<"Yes\n":
cout << "No\n";
wordBreak("iamfine"? cout <<"Yes\n":
cout << "No\n";

}
```

C:\Users\kavya sree\Downloads\oop lab-2\oop42.exe

Yes
Yes
Yes
Yes
No

Process exited after 8.146 seconds with return value 0
Press any key to continue . . .

3. #include <iostream>

#include <string.h>

using namespace std;

int main()

{

char str[100];

int i,vowels=0;

cout<<"Enter the string : ";

cin.getline(str, 150);

for(int i = 0; str[i]!='\0'; i++)

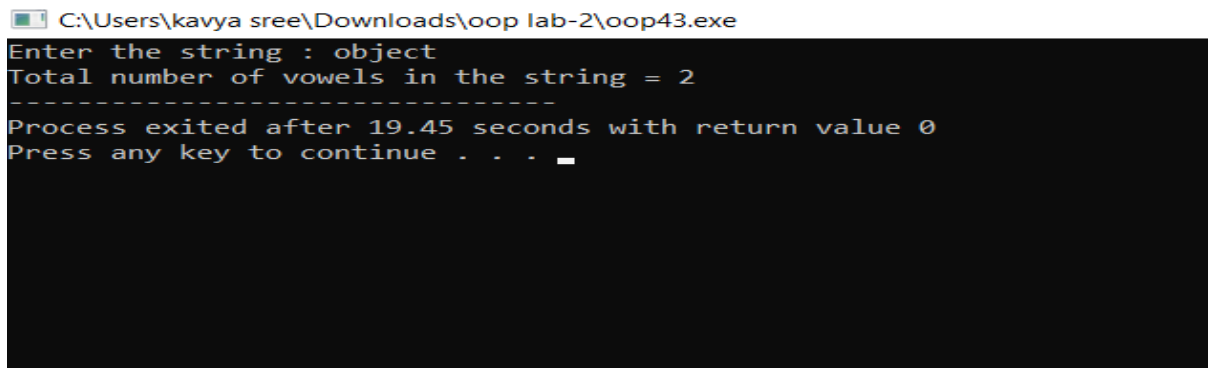
```

{
if(str[i]=='a' || str[i]=='e' || str[i]=='i' ||
str[i]=='o' || str[i]=='u' || str[i]=='A' ||
str[i]=='E' || str[i]=='I' || str[i]=='O' ||
str[i]=='U')
{
vowels++;
}
}

cout<<"Total number of vowels in the string
= "<<vowels;

}

```



```

C:\Users\kavya sree\Downloads\oop lab-2\oop43.exe
Enter the string : object
Total number of vowels in the string = 2
-----
Process exited after 19.45 seconds with return value 0
Press any key to continue . . .

```