TASK NO !4

```
#include <iostream>
using namespace std;
const int max = 1000;
class Stack {
private:
int top;
int arr[1000];
public:
Stack() {
top = -1;
}
bool push(int value) {
if (top >= (1000 - 1)) {
cout << "Stack is overflow" << endl;
return false;
} else {
top++;
arr[top] = value;
return true;
} }
bool pop() {
if (top < 0) {
return false;
} else {
cout<<"Poped element is ="<<arr[top]<<endl;
top--;
return true;
}
}
bool peek(){
if (top < 0) {
return false;
} else {
cout<<"Top value is ="<<arr[top]<<endl;
return true;
}
}
bool isEmpty() const {
return top < 0;
}
bool isFull() const {
return top >= (1000 - 1); }
```

```
};
int main() {
Stack s;
int value;
s.push(10);
s.push(20);
s.push(30);
s.push(40);
s.pop();
s.peek();
return 0;
}
```