

```
printf("%d is popped", item);
```

```
}  
void peek() {
```

```
if (top == -1) {
```

```
printf("Underflow");
```

```
}  
else {
```

```
printf("%d", stack[top]);
```

```
}  
}
```

```
void main() {
```

```
int stack[10];
```

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

```
int a;
```

```
do {
```

```
printf("\nEnter 1, 2, 3 to choose push, pop,  
peek operations respectively");
```

```
scanf("%d", &a);
```

```
switch(a) {
```

```
case 1:
```

```
push();
```

```
break;
```

```
case 2:
```

```
pop();
```

```
break;
```

```
case 3:
```

```
peek();
```

```
break;
```

```
default:
```

```
printf("Invalid Input");
```

```
break;
```

```
}
```

olp-

Enter

oper

enter

Now

enter

res

13

enter

10

10

22/9/20

o/p:-

Enter 1,2,3 to choose push, pop, peek operations respectively 1
enter data is

Now the top is 0

enter 1,2,3 to choose push, pop, peek operations respectively 2

is popped

enter 1,2,3 to choose push, pop, peek operations respectively 2

Underflow

enter 1,2,3 to choose push, pop, peek operations respectively 1

Now the top is 0

enter 1,2,3 to choose push, pop, peek operations respectively 3

14

~~enter 1,2,3 to choose push, pop, peek operations respectively 2~~

14 is popped

Enter 1,2,3 to choose push, pop, peek operations respectively 3

underflow

enter 1,2,3 to choose push, pop, peek operations respectively -1

Invalid Input!!