```
(globals)
             stack op.c
            1 #include<stdio.h>
                             printf("Stack Overflow\n");
                        stack[top]=var;
printf("%d is pushed.\n",var);
                        if(top==-1)
   printf("Stack underflow\n");
else
            20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 30 | 30 | 4 | 31 |
                              printf("%d popped from stack\n",stack[top]);
                              top=top-1;
                   void display()
                        if(top==-1)
                        printf("Stack is empty\n");
else
            32
33
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                           for(int i=top;i>=0;i--)
    printf("%d ",stack[i]);
printf("\n");
           38 - }
```

```
∃ int main() {
         while(1)
         int choice;
              printf("\n--- Stack Menu ---\n");
printf("1. Push\n2. Pop\n3. Display\n4.Exit\n");
printf("Enter your choice: ");
scanf("%d", &choice);
              switch(choice)
                    case 1:
                        printf("Enter value to be pushed");
                        int no;
scanf("%d",&no);
                         push(no);
                         break;
                    case 2:
                         pop();
                         break;
                    case 3:
                        display();
                         break;
1
5
7
7
3
3
9
9
1
1
1
1
2
2
3
3
                    case 4:
                        exit(0);
                    default:
                   printf("Invalid choice! Try again.\n");
```

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5 7 3

```
2. Pop
3. Display
4.Exit
Enter your choice: 1
Enter value to be pushed2
2 is pushed.
--- Stack Menu ---
1. Push
2. Pop
2. rop
3. Display
4.Exit
Enter your choice: 1
Enter value to be pushed3
3 is pushed.
--- Stack Menu ---
1. Push
2. Pop
3. Display
4.Exit
Enter your choice: 1
Enter value to be pushed4
4 is pushed.
--- Stack Menu ---
1. Push
2. Pop
3. Display
4.Exit
Enter your choice: 1
Enter value to be pushed5
5 is pushed.
--- Stack Menu ---
1. Push
2. Pop
Display
4.Exit
Enter your choice: 1
Enter value to be pushed6
6 is pushed.
--- Stack Menu ---
1. Push
2. Pop
3. Display
4.Exit
Enter your choice: 1
Enter value to be pushed7
Stack Overflow
```

--- Stack Menu ---1. Push

```
--- Stack Menu ---
1. Push
2. Pop
3. Display
4.Exit
Enter your choice: 2
3 popped from stack
--- Stack Menu ---
1. Push
2. Pop
3. Display
4.Exit
Enter your choice: 2
2 popped from stack
--- Stack Menu ---
1. Push
Pop
Display
4.Exit
Enter your choice: 2
Stack underflow
```