```
Akash.R
               IBMISCS009
                                      28/9/2000
 # include cstdio.h>
   int Mansize = 8;
 int stack C87;
  int top = -1;
 int is empty (),
  if (top ==-1)
  reform 15. The sales of the day of spining
  else
  return o;
 int is folles &
 if (top := mansize)
 reform 1;
 else
  return o;
3
 int peek ()
             The state with the state of the state of the
  teturn stack Ctop ];
3
  int pop ()
 int data;
```

```
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                        IBM18CSOOD
   if (! is empty ())
  data = stack [top];
  top = top -1;
  return data;
  else
  printf ( could not retrive the data, Stock is emply . In ),
  }
3
int push (int data)
   if (! is full())
  top = top + 1
  Stack Ctop ] = data;
3 else
 printf ("could not inseret data, stack isfull. \n");
int main() &
Push (3);
push (5);
```

```
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                          1BN 18C5009
  push (a);
 Push (1) ;
 posh (12);
 push (b) ,
printf (relement at top of the stock: Ydin' peek(1);
printf ("Elenents: \n");
while (lisempty ()).
ş
  int data: pop();
  printf ("1d In", dota);
printf (" Stack full: 7.5 \n", isfull () ? "true", "falce")
printf ("stock empty: Y.S.\n", is emply ()? "true":
                                          Jalse 1),
reform 0;
3
```