Akshaya Deep Porasad (1)	
1BM19CSO13	ale Test-1 (DS)
# include < stdio h} # include < stdlife.h}	Chris Aprille
# klefiske mapile 5 # define 14 mjane 5	
ilit	
Q1.6 The first element in stack	I should be merged with the last element
of stack 2, she second eleme	I should be merged with the last element at g stack I to the second last element g
then the coverfording element	element ion stack 100 stack 2 is none, t in the other stack should be kept as reed stack.
it is in seather the me	rged stack.
Sel-7:	() Profession ()
# indude < stdio.h)	
# include < stellite h)	(1 1/b) - ·
#define would size ?	a lighter any of the of
: 1 tob1=-1, tob2=-1	
ind stack ([Day ()), stack 2 (suger	Jicher (The file)
void push (int ele)	he is well thereof
$y\left(tob/z=size^{-1}\right)$	4.745
pounts ("Stack is	in overflore condition (")
else	The state of the s
topitt;	
topit+; stack L+opij= # ele;	The set of the set of
a. 9	
int pop()	A Y COMPANY
y (100)==-1)	

tog1++) punty (" stack underflore(vi)); returnay -1; else int us stack (top); void display () int i; 1/(top1==-1) point f (" Stack is emply \n"); } for (i=top); i7=0; i--)
{
forintf (""d m", stacke (i)); void push 2 (int ele) if (top 2 == size-1)

print f (66 stack is voerflow condition); y stack 2 C +op2]= ele 3

int pop 2() if (top2 == -1) purelf (6" stack underflow (")) else int n= stacker (top2) 10/2--3 neteom x; void diplaye() if (top2 ==-1) fount ((6 stack is ompty m"); else for (i= top2; i)=0; i--);
printf (66 Nd Vann", stack 2 CiJ); boid merge () int +1, +2, ii int silvize), SzCrige]; t1=0; for(i= top2; i'=0; i'=-) +2++; 92C+2) = slack2CJ int mergedlist (size)

```
ti= top1,
 1:0;
 while (1,4:02 & 127:0)
            mergedlist ()= stacke((t)) + 32(t2),
             t2--1
             144
     while (+17=0)
         nergedlist (i) = slack (Ct ) rosable
          1++
      while (127 =0)
           morgedlist (i) = S2C12);
           ti--1
printf (" ployed list is: \");
for (int j=0; j(i; f++)

for (int j=0; j(i; f++)

frintf ("", mergedlist tjJ);
ist main ()
    pruty (" Enter the elements of stack 1: \n");
while (n!=80)
```

printy (" (n Moneymi"); print (" m 1- People in 2- Pop in 3. Display in 4. Emit"); prints (66 Enter your choiceni), scang (66-1.d)); y (x=-4) break; printf (" Inter the element; in);
scanf (" 1.d.", bele); push (ele); else y(n==2) int popule = pop(); printf(66 Element popped is: 1.d", popele); else if(n==3) founds (66 The stack is: m'); display 1 (); 3 frients (" Enter the elements of stack 2) while (n:= 4) printy (66 monumi); printy [00]. Push in 2. Pop in 3. Diplay in 4. Emit "); sprints (66 Enter your choice in); sconf (6(1/ din ", 4 n)) if(n==4)

y(n==1) frients ("Enler the element \"); scang ("'/.d", & elee); push 2 (ele); else y (n==2) frints (" Popped element is: \", popule); ere if (n==3) fruitf ("The stack is in"); display (); merged ();