//NIKHIL KALRA

//022

//EXP-2(A)DELETION

#include <stdio.h>

#include <conio.h>

void main()

{

int a[10],i,item,pos;

clrscr();

printf("ENTER THE ELEMENTS:");

for(i=0;i<=5;i++)

scanf("%d",&a[i]);

printf("ENTER THE POSITION");

scanf("%d",&pos);

for(i=pos;i<=5;i++)

{

a[i]=a[i+1];

}

for(i=0;i<=4;i++)

{

printf("%d",a[i]);

}

getch();

}

/\*

ENTER THE ELEMENTS:2

3

5

4

8

0

ENTER THE POSITION4

23540

\*/

//2(B)INSERTION

#include<stdio.h>

#include<conio.h>

void main()

{

int a[10],i,pos,item;

clrscr();

printf("ENTER THE ELEMENTS\n");

for(i=0;i<=4;i++)

scanf("%d",&a[i]);

printf("ENTER THE ELEMENT TO BE INSERTED\n");

scanf("%d",&item);

printf("ENTER THE POSITION\n");

scanf("%d",&pos);

for(i=5;i>=pos;i--)

{

a[i]=a[i-1];

}

a[pos-1]=item;

for(i=0;i<=5;i++)

{printf("%d ",a[i]);

}

getch();

}

/\*

ENTER THE ELEMENTS

2

4

7

9

3

ENTER THE ELEMENT TO BE INSERTED

10

ENTER THE POSITION

2

2 10 4 7 9 3

\*/

//2(C)DETERMINANT

#include <stdio.h>

#include <conio.h>

void main()

{int m[3][3],i,j,det,row1,row2,row3;

clrscr();

for(i=0;i<3;i++)

{

printf("ENTER THE ELEMENTS OF ROW %d :\n",i+1);

for(j=0;j<3;j++)

{

scanf("%d",&m[i][j]);

}}

row1=m[0][0]\*((m[1][1]\*m[2][2])-(m[1][2]\*m[2][1]));

row2=m[0][1]\*((m[1][0]\*m[2][2])-(m[1][2]\*m[2][0]));

row3=m[0][2]\*((m[0][1]\*m[2][1])-(m[1][1]\*m[2][0]));

printf("DETERMINANT IS: ");

det=row1-row2+row3;

printf("%d",det);

getch();

}

/\*

ENTER THE ELEMENTS OF ROW 1 :

2

3

5

ENTER THE ELEMENTS OF ROW 2 :

5

8

3

ENTER THE ELEMENTS OF ROW 3 :

1

1

2

DETERMINANT IS: -20

\*/