INSERT THE ELEMENT IN MIDDLE

ALGORITHM:

STEP 1: Start the program.

STEP 2: Using insert student 40 ,pos ,I,size,value.

STEP 3: Enter no of elements in array of students using scanf %d and size.

STEP 4: Print enter %d element are ,size.

STEP 5: using for loop and print enter the position where do you want to insert .

STEP 6: Finally return 0.

COMMANDS:

printf("enter no of elements in array of students:");

scanf("%d",&size);\\ have to insert the array.

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

scanf("%d",&student[i]);\\ using for loop to insert the middle

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

printf("%d\n",student[i]);

return 0;\\ print to middle to the string

PROGRAM:

#include<stdio.h>

int main(){

int student[40],pos,i,size,value;

printf("enter no of elements in array of students:");

scanf("%d",&size);

printf("enter %d elements are:\n",size);

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

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

printf("enter the position where you want to insert the element:");

scanf("%d",&pos);

printf("enter the value into that poition:");

scanf("%d",&value);

for(i=size-1;i>=pos-1;i--)

student[i+1]=student[i];

student[pos-1]= value;

printf("final array after inserting the value is\n");

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

printf("%d\n",student[i]);

return 0;

}

OUTPUT:

enter no of elements in array of students:4

enter 4 elements are:

2

3

3

4

enter the position where you want to insert the element:3

enter the value into that poition:6

final array after inserting the value is

2

3

6

3

4