**INSERTION IN AN ARRAY**

#include<iostream.h>

#include<conio.h>

#include<process.h>

int findpos(int[],int ,int );

void main()

{int ar[50],item,n,index;

cout<<"\n How many elements do you want to create array with?(max50)...";

cin>>n;

cout<<"\n Enter the array elements \n";

for(int i=0;i<n;i++)

cin>>ar[i];

char ch='y';

while(ch=='y'||ch=='Y')

{cout<<"\n Enter element to be inserted...";

cin>>item;

if(n==50)

{cout<<"\n Overflow";

exit(1);

}

index=findpos(ar,n,item);

for(i=n;i>index;i--){ar[i]=ar[i-1];

}

ar[index]=item;

n+=1;

cout<<"\n want to insert more elements??\n";

cin>>ch;

}

cout<<"The array is now shown below....\n";

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

cout<<ar[i]<<""<<endl;

getch();

}

int findpos(int ar[], int size,int item)

{int pos;

if(item<ar[0])

pos=0;

else

{for(int i=0;i<size-1;i++)

{if (ar[i]<=item&&item<ar[i+1])

{pos=i+1;

break;

}

}

if(i==size-1) pos=size;

}

return pos;

}

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