//DSA dyanamic allocation

//array using array

#include<stdio.h>

int main()

{

int i;

int arr[5];

int \*p=&arr[0];

printf("\nEnter elements in array\n ");

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

{

scanf("%d",p+i);

}

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

{

printf("\n---------element--------address-------------");

printf("\n \t%5d \t\t%5d",\*(p+i),(p+i));

}

return 0;

}

#include<stdio.h>

int main()

{

int arr[5]={10,20,30,40,50};

int i;

int \*ptr=&arr[0];

printf("\nFirst Value is : %d ",\*(ptr+0));

printf("\nSecond Value is : %d ",\*(ptr+1));

printf("\nThird Value is : %d ",\*(ptr+2));

printf("\nFourth Value is : %d ",\*(ptr+3));

printf("\nFifth Value is : %d ",\*(ptr+4));

printf("\n\tusing Loop....");

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

{

printf("\n\t%d",\*(ptr+i));

printf("\n\t%d",(ptr+i));

}

printf("\n\treverse...\n");

for(i=4;i>=0;i--)

{

printf("\n\t%d",\*(ptr+i));

printf("\n\t%d",(ptr+i));

}

return 0;

}

//malloc function

#include<stdio.h>

int main()

{

int ch;

int \*p;

do

{

p=malloc(sizeof(int));

printf("\nENTER ANY NO\n");

scanf("%d",p);

printf("\n\nYOU NO IS : %d",\*p);

printf("\nDo you want to continue prsss 1........\t\t");

scanf("%d",&ch);

}while(ch==1);

return 0;

}

#include<stdio.h>

int main()

{

int ch;

int i;

int x;

int \*n;

do

{

p=malloc(sizeof(int));

//runtime

printf("\nhow many nos do you want ");

scanf("%d",&x);

n=(int\*)malloc(sizeof(int)\*x);

printf("\nenter %d nos",x);

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

{

scanf("%d",(n+i));

}

printf("\n Your nos are");

printf("%d");

printf("\n Your nos are");

printf("\n Your nos are");

return 0;

}