//pointer basic

#include <stdio.h>

#include <stdlib.h>

int main() {

int n1=10;

int \*ptr=&n1;

printf("Value of n1 is %d",n1);

printf("\nAddress of n1 is %u",&n1);

printf("Value of n1 using pointer is : %d",\*ptr);

printf("\nAddress of n1 using pointer is : %u",ptr);

return 0;

}

//Addition of two no inbuild value (self)

//pointer basic

#include <stdio.h>

#include <stdlib.h>

int main() {

int n1=10;

int n2=20;

int add;

int \*ptr1=&n1;

int \*ptr2=&n2;

int \*ptr3=&add;

printf("\nValue of n1 is %d\n",n1);

printf("\nAddress of n1 is %u\n",&n1);

printf("\nValue of n2 is %d\n",n2);

printf("\nAddress of n2 is %u\n",&n2);

add=n1+n2;

printf("\nValue of n1 using pointer is : %d\n",\*ptr1);

printf("\nAddress of n1 using pointer is : %u\n",ptr1);

printf("\nValue of n2 using pointer is : %d\n",\*ptr2);

printf("\nAddress of n2 using pointer is : %u\n",ptr2);

printf("\nAddition of n1+n2=n3 : %d\n",add);

printf("\nAddress of n3 using pointer is : %u\n",ptr3);

return 0;

}

//Addition using pointer self

//pointer basic

#include <stdio.h>

#include <stdlib.h>

int main() {

int n1;

int n2;

int add;

int \*ptr1=&n1;

int \*ptr2=&n2;

int \*ptr3=&add;

printf("\nValue of n1 is \n",n1);

scanf("%d",&n1);

printf("\nAddress of n1 is %u\n",&n1);

printf("\nValue of n2 is \n",n2);

scanf("%d",&n2);

printf("\nAddress of n2 is %u\n",&n2);

add=n1+n2;

printf("\nValue of n1 using pointer is : %d\n",\*ptr1);

printf("\nAddress of n1 using pointer is : %u\n",ptr1);

printf("\nValue of n2 using pointer is : %d\n",\*ptr2);

printf("\nAddress of n2 using pointer is : %u\n",ptr2);

printf("\nAddition of n1+n2 : %d\n",add);

printf("\nAddress of Addition using pointer is : %u\n",ptr3);

return 0;

}

//Addition of 5 nos self

#include <stdio.h>

#include <stdlib.h>

int main() {

int n1,n2,n3,n4,n5,add;

int \*ptr1=&n1;

int \*ptr2=&n2;

int \*ptr3=&n3;

int \*ptr4=&n4;

int \*ptr5=&n5;

int \*ptr6=&add;

printf("Enter any five nos\n");

scanf("%d%d%d%d%d",ptr1,ptr2,ptr3,ptr4,ptr5);

\*ptr6=\*ptr1+\*ptr2+\*ptr3+\*ptr4+\*ptr5;

printf("\nNumber1 is : %d",\*ptr1);

printf("\nNumber2 is : %d",\*ptr2);

printf("\nNumber3 is : %d",\*ptr3);

printf("\nNumber4 is : %d",\*ptr4);

printf("\nNumber5 is : %d",\*ptr5);

printf("\nAddition of %d and %d and %d and %d and %d is : %d",n1,n2,n3,n4,n5,add);

return 0;

}

//addition of no using array and pointer

#include <stdio.h>

#include <stdlib.h>

int main() {

int arr[5];

int i;

int \*ptr=&arr[0];

int sum=0;

printf("\nEnter any five nos\n");

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

{

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

sum=sum+\*(ptr+i);

}

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

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

{

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

}

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

printf("\nElements in reverse order are\n");

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

{

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

printf("\n");

}

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

printf("\nAddition is : %d ",sum);

return 0;

}