**Pointer and array**

#include<stdio.h>

float average(int \*array,int n);

int main()

{

int count=-1,arr[100],k=0;

while(k==0){

count++;

scanf("%d",&arr[count]);

printf("\n want another number (0=yes,1=no)");

scanf("%d",&k);

}

int answer;

answer=average(&arr,count);

printf("\n Average of the numbers is %d",answer);

return 0;

}

float average(int \*array,int n)

{

int sum=0,i;

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

{

sum=sum+\*array;

array++;

}

return (sum/(n+1));

}

**Pointer and string**

#include<stdio.h>

int main()

{

char \*name;

int length;

char \*cptr=name;

//cptr=name;

name="Delhi";

while(\*cptr!='\0')

{

printf("%c is stored at address %u",\*cptr,cptr);

cptr++;

}

length=cptr-name;

printf("\n Length of the string =%d",length);

return 0;

}

**Finding vowels in a string**

#include<stdio.h>

int main(){

char name[30];

char \*sample=name;

int c=0;

printf("Enter name: ");

gets(name); //Function to read string from user.

while(\*sample!='\0')

{

if (\*sample=='a'||\*sample=='e'||\*sample=='i'||\*sample=='o'||\*sample=='u')

{c++;

printf("\n %c",\*sample);

}

sample++;

}

printf("\n number of vowels is %d",c);

return 0;

}

Pointers and Function

#include<stdio.h>

int\* max(int\*,int\*);

int main()

{

int a,b,\*c;

printf("\n enter two numbers");

scanf("%d %d",&a,&b);

c=max(&a,&b);

printf("\n Max number is %d",\*c);

return 0;

}

int\* max(int \*x , int \*y)

{

if (\*x>\*y)

return x;

else

return y;

}

**Pointers and Structure**

#include<stdio.h>

struct invent

{

char name[20];

int number;

float price;

};

int main()

{

struct invent product[3],\*ptr;

printf("\n enter records");

for (ptr=product;ptr<product+3;ptr++){

scanf("%s %d %f",ptr->name,&ptr->number,&ptr->price);

}

ptr=product;

while(ptr<product+3)

{

printf("\n %s %d %f",ptr->name,ptr->number,ptr->price);

ptr++;

}

return 0;

}