1)

#include<stdio.h>

int swap(int\*a,int\*b)

{

\*a=\*a+\*b;

\*b=\*a-\*b;

\*a=\*a-\*b;

return 0;

}

int main()

{

int a,b;

printf("enter any two numbers \n");

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

swap(&a,&b);

printf("%d %d",a,b);

return 0;

}

2)

#include<stdio.h>

#include<string.h>

int str(char\*\*a,char\*\*b)

{

char \*t;

t=\*a;

\*a=\*b;

\*b=t;

return 0;

}

int main()

{

char \*a[20],\*b[20];

printf("enter any two strings\n");

fgets(a,20,stdin);

fgets(b,20,stdin);

str(a,b);

printf("%s %s",a,b);

}

3)

#include<stdio.h>

void sort(int\*p,int s)

{

int \*i,\*j,t;

for(i=p;i<p+(s-1);i++)

{

for(j=i+1;j<=p+(s-1);j++)

{

if(\*j<\*i)

{

t=\*i;

\*i=\*j;

\*j=t;

}

}

}

}

int main()

{

int i,n;

printf("enter the length of array ");

scanf("%d",&n);

int a[n];

printf("enter the values in the array\n");

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

{

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

}

sort(a,n);

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

{

printf("%d ",a[i]);

}

return 0;

}

4)

#include<stdio.h>

int main()

{

int n,\*x,\*\*y,\*\*\*r;

printf("enter a number \n");

scanf("%d",&n);

x=&n;

y=&x;

r=&y;

printf("%d %d %d %d\n",n,\*x,\*\*y,\*\*\*r);

printf("%d %d %d %d\n",&n,x,\*y,\*\*r);

printf("%d %d %d\n",&x,y,\*r);

printf("%d %d\n",&y,r);

printf("%d\n",&r);

return 0;

}

5)

#include<stdio.h>

int main()

{

int a,b,\*p,\*q;

printf("enter the two numbers\n");

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

p=&a;

q=&b;

if(\*p<\*q)

{

printf("the maximum no. between these two numbers is %d",\*q);

}

else

printf("the maximum no. between these two numbers is %d",\*p);

return 0;

}

6)

#include<stdio.h>

int main()

{

char a[20];

printf("enter the string : ");

gets(a);

char \*i; int c=0;

for(i=a;\*i;i++)

{

c++;

}

printf("the length is %d",c);

return 0;

}

7)

#include<stdio.h>

#include<string.h>

int main()

{

char a[20];

printf("enter the string : ");

fgets(a,20,stdin);

char \*i;

int c=0;

for(i=a; \*i; i++)

{

if(\*i=='a'||\*i=='A'||\*i=='e'||\*i=='E'||\*i=='i'||\*i=='I'||\*i=='o'||\*i=='O'||\*i=='u'||\*i=='U')

c++;

}

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

printf("the number of Consonants in the string is %d\n",strlen(a)-c-1);

return 0;

}

8)

#include<stdio.h>

int main()

{

int n,\*j;

printf("enter the no. of elements to enter\n");

scanf("%d",&n);

int a[n];

printf("enter the elements in array: \n");

for(j=a;j<=a+(n-1);j++)

{

int m;

scanf("%d",&m);

\*j=m;

}

int sum=0;

for(j=a;j<=a+(n-1);j++)

{

sum=sum+ \*j;

}

printf("the sum of the array is %d",sum);

return 0;

}

9)

#include<stdio.h>

int main()

{

int n,\*j;

printf("enter the no. of elements to enter\n");

scanf("%d",&n);

int a[n];

printf("enter the elements in array: \n");

for(j=a;j<=a+(n-1);j++)

{

int m;

scanf("%d",&m);

\*j=m;

}

int \*i=a+(n-1);

for(j=a;j<=i;j++)

{

int t;

t=\*j;

\*j=\*i;

\*i=t;

i--;

}

for(j=a;j<=a+(n-1);j++)

{

printf("%d \n",\*j);

}

return 0;

}

10)

#include<stdio.h>

#include<string.h>

int main()

{

char a[20];

printf("enter the string : ");

fgets(a,20,stdin);

int n=strlen(a);

char \*i,\*j;

i = a+(n-2);

for(j=a; j<=i; j++)

{

char t;

t=\*j;

\*j=\*i;

\*i=t;

i--;

}

printf("the reversed string is %s",a);

return 0;

}