main( )

{

char name[]={'S','h','i','v','a','m'};

int i;

char \*ptr;

for(i=0;i<6;i++)

printf("%u=>%c\n",&name[i],name[i]);

printf("\n");

ptr=name;//1002

for(i=0;i<6;i++)//1<6

{

printf("%u=>%c\n",ptr,\*ptr);//1003 h

ptr++;//1003

}

}

main( )

{

char name[]={'S','h','i','v','a','m','\0'};

int i;

char \*ptr;

for(i=0;name[i]!='\0';i++)

printf("%u=>%c\n",&name[i],name[i]);

printf("\n");

ptr=name;//1002

while(\*ptr!='\0')//h!='\0'

{

printf("%u=>%c\n",ptr,\*ptr);//1002 S

ptr++;//1003

}

printf("\n%d",'\0');

printf("\n%d",'0');

}

//\0 - 0

// 0 – 48

main( )

{

char name[]="Shivam Desale";

int i;

char \*ptr;

for(i=0;name[i]!='\0';i++)

printf("%u=>%c\n",&name[i],name[i]);

printf("\n");

ptr=name;//1002

while(\*ptr!='\0')//h!='\0'

{

printf("%u=>%c\n",ptr,\*ptr);//1002 S

ptr++;//1003

}

printf("\n%s",name);

printf("\n%d",'\0');

printf("\n%d",'0');

}

//0 1 2 3 4 5 6

//S h i v a m \0

//1002

main( )

{

char name[]="Shivam Desale";

printf("\n%s",name);//Shivam Desale

printf("\n%s",name+7);//1002 + 7\*1 =1009 = Desale

}

//0 1 2 3 4 5 6

//S h i v a m \0

//1002

main( )

{

char name[20];

printf("Enter Name : ");

scanf("%s",name);

printf("\n%s",name);//Shivam Desale

}

//0 1 2 3 4 5 6

//S h i v a m \0

//1002

#include<string.h>

main( )

{

char name[20];

printf("Enter Name : ");

gets(name);

printf("%s\n",name);//Shivam Desale

puts("Welcome");

puts(name);

puts("!!!");

}

//0 1 2 3 4 5 6

//S h i v a m \0

//1002

Pointer & Array Both Same

#include<string.h>

main( )

{

char name[20]="Hello";

char \*ptr ="Hello";

printf("%s\n",name);

printf("%s\n",ptr);

}

//0 1 2 3 4 5

//H e l l o \0

//1002

One Pointer Copy To Another Pointer

One Array = Another Array => Error

#include<string.h>

main( )

{

char str1[ ] = "Hello" ;

char str2[10] ;

char \*s = "Good Morning" ;

char \*q ;

//str2 = str1 ; /\* error \*/

q = s ; /\* works \*/

printf("%s\n",q);

printf("%s\n",s);

}

//str1

//0 1 2 3 4 5

//H e l l o \0

//1002

//str2 = str1 Do Not Copy =

//0 1 2 3 4 5

//H e l l o \0

//2002

//s q

#include<string.h>

main( )

{

char str1[ ] = "Hello" ;

char \*p = "Hello" ;

printf("%s\n",str1);//Hello

printf("%s\n",p);//Bye\0o

//str1 = "Bye" ; /\* error \*/

p = "Bye" ; /\* works \*/

printf("%s\n",str1);//Hello

printf("%s\n",p);//Bye\0o

}

//str1

//0 1 2 3 4 5

//H e l l o \0

//1002

//str2 = str1 Do Not Copy =

//0 1 2 3 4 5

//H e l l o \0

//2002

//s q

int main()

{

char \*name = "Hello";

clrscr();

printf("%s",name) ;

\*(name+2) = 'L';//\*(1002+2\*1)=\*1004='L'

printf("\n%s",name) ;

name="VowTech";

printf("\n%s",name) ;

getch();

return 0;

}

//0 1 2 3 4 5

//H e L l o \0

//1002 1003