

```

#include<stdio.h>

#include<math.h>

#include<string.h>

#include<ctype.h>

#include<stdlib.h>

int main()

{

    int x=0, n, i=0,j=0;

    void *mypointer,*T4Tutorials_address[5];

    char ch,T4Tutorials_Search,T4Tutorials_Array2[15],T4Tutorials_Array3[15],c;

    printf("Input the expression ending with $ sign:");

    while((c=getchar())!='$')

    {

        T4Tutorials_Array2[i]=c;

        i++;

    }

    n=i-1;

    printf("Given Expression:");

    i=0;

    while(i<=n)

    {

        printf("%c",T4Tutorials_Array2[i]);

        i++;

    }

    printf("\n Symbol Table display\n");

    printf("Symbol \t addr \t type");

    while(j<=n)

    {

        c=T4Tutorials_Array2[j];

```

```
if(isalpha(toascii(c)))
{
    mypointer=malloc(c);
    T4Tutorials_address[x]=mypointer;
    T4Tutorials_Array3[x]=c;
    printf("\n%c \t %d \t identifier\n",c,mypointer);

    x++;
    j++;
}
else
{
    ch=c;
    if(ch=='+' || ch=='-' || ch=='*' || ch=='=')
    {
        mypointer=malloc(ch);
        T4Tutorials_address[x]=mypointer;
        T4Tutorials_Array3[x]=ch;
        printf("\n %c \t %d \t operator\n",ch,mypointer);

        x++;
        j++;
    }
}
}
```

(globals)

asses

C:\Users\Nalini\2.symbol table manager c program.exe

Input the expression ending with \$ sign:a+b+c=\$

Given Expression:a+b+c=

Symbol Table display

Symbol	addr	type
a	7368432	identifier
+	7368544	operator
b	7345168	identifier
+	7345280	operator
c	7345344	identifier
=	7345456	operator

Process exited after 13.04 seconds with return value 0

Press any key to continue . . .

Resources

Compile Log

Debug

Find Results

Close