**Answer to the question no 8**

#include<stdio.h>

#include<stdlib.h>

#include<string.h>

int check=-1;

char s[100];

void push(char a);

void if\_Not\_Matched();

void if\_Matched();

void main()

{

int i;

char p[100];

printf("Enter correct parentheses:\n");

scanf(" %s",&p);

int size = strlen(p);

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

{

if(p[i]=='(')

{

push(p[i]);

}

else if(p[i]==')')

{

if\_Not\_Matched();

}

}

if\_Matched();

}

void push(char p)

{

check++;

s[check]=p;

}

void if\_Not\_Matched()

{

if(check<=-1)

{

printf("NO\n");

exit(0);

}

else

{

check--;

}

}

void if\_Matched()

{

if(check==-1)

{

printf("\YES\n");

}

else

{

printf("\NO\n");

}

}