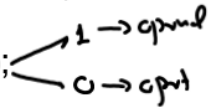
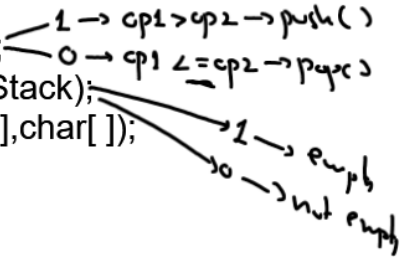
```
#include<stdio.h>
#include <conio.h>
struct Stack
{
  char arr[10];
  int tos;
};
void push(struct Stack *,char);
char pop(struct Stack *);
int isoperand(char);
int prcd(char,char);
int isempty(struct Stack);
void convert(char[ ],char[ ]);
```






```
int main()
{

  char infix[20],postfix[20];
  printf("Enter a valid infix exp:");
  scanf("%s",infix);
  convert(infix,postfix);
  printf("Postfix exp is %s",postfix);
  return 0;
}
```

```
void convert(char infix[20],char postfix[20])
{
  struct Stack S;
  char ch,opn;
  int i,j=0;
  int ans;
  S.tos=-1;
 for(i=0;infix[i]!='\0';i++)
 {
    ch=infix[i];
    if(isoperand(ch)==1)
    {
        postfix[j]=ch;
        j++;
    }
    else
   {
        while(isempty(S)==0)
        {
           ans=prcd(ch,S.arr[S.tos]);
           if(ans==1)
              break;
           opn=pop(&S);
            postfix[j]=opn;
            j++;
         }
       push(&S,ch);
    }
}
while(isempty(S)==0)
{
   opn=pop(&S);
   postfix[j]=opn;
    j++;
 }
postfix[j]='\0';
}
```

```
int prcd(char op1,char op2)
{
   if(op2=='$')
         return 0;
else if(op1=='$')
        return 1;
// continue this code
}
```