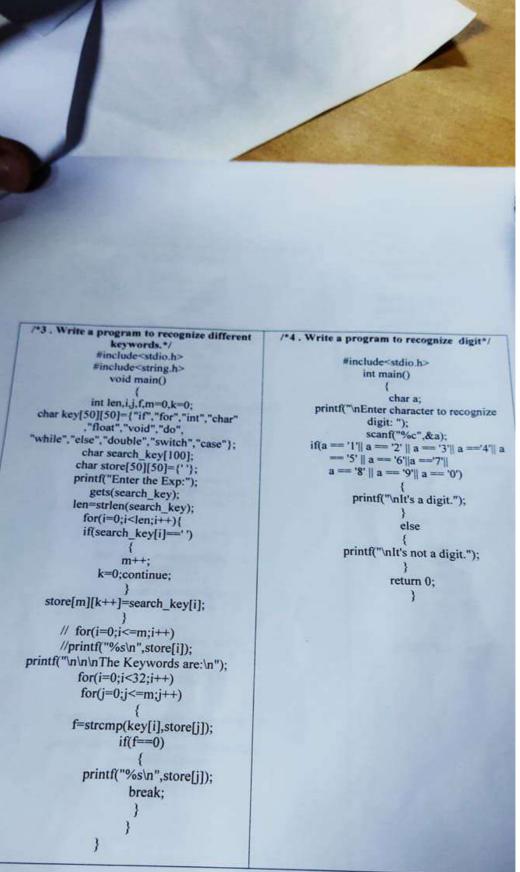


```
//1. Recognize integer
             #include<stdio.h>
#include<string.h>
             #include<ctype.h>
                  int main()
   char str[1000], digitString[1000] = {0};
        printf("\nEnter the string : ");
                   gets(str);
          char *ptr = strtok(str, " ");
                 while(ptr) {
              int len = strlen(ptr);
              bool integer = true;
          for(int i = 0; i < len; i++) {
            if(isdigit(ptr[i]) != true) {
                   integer = false;
                       break;
             if(integer == true) {
            strcat(digitString, ptr);
            strcat(digitString, " ");
          ptr = strtok(NULL, " ");
printf("\n\nInteger numbers within the
            string are: ");
           puts(digitString);
                return 0;
```

```
// 2. Recognize Identifier 
#include<stdio.h>
        #include<string.h>
        #include<ctype.h>
             int main()
            char word[20];
printf("Enter the Identifier Name:");
              gets(word);
        int len = strlen(word);
           bool flag = false;
if(isalpha(word[0]) || word[0] == '_')
        for(int i = 1; i < len; i++)
  if(isdigit(word[i]) || isalpha(word[i]) ||
            word[i]== '_')
                       1
                   flag = true;
                     else{
                   flag = false;
                      break;
            if(flag == true)
printf("Valid Name");
                     else
            printf("Invalid Name");
                  return 0;
```





/* 5. Write a program to recognize Positive and /* 6. Write a program Negative integer.*/ to recognize different operators.*/ #include stdio h #include ctype h #include string h int main() #include<stdio.h> char str[1000] = {0}; positiveString[1000] = {0}; printf("Enter the string; gets(str); char *ptr = strlok(str," "); while(ptr) { int len = strlen(ptr); bool digit = true; iff(ptr[0] = '+' | (ptr[0] = '-)|| isdigit(ptr[0]))) { for(int i = 1; i < len; i++) { iff(sidigit(ptr[i])) { digit = false; break; } } #include<string.h> char str[1000] = (0), digitString[1000] = (0); char positiveString[1000] = (0), negativeString[1000] = (0); printf("Enter the string: "); void main() char ch; int n=1,i; char key[100]; printf("Enter the Exp:"); while(ch!=\n') ch=getchar(); key[n++]=ch; printf("\n\n\nThe Operator if(digit == true) { streat(digitString, ptr); streat(digitString, ""); are:\n"); for(i=1;i<n;i++) switch(key[i]) ptr = strtok(NULL, " "); case '+': char *ptr1 = strtok(digitString, " "); case '-': while(ptr1) { if(ptr1[0] == '-') { case '*': streat(negativeString, ptrl); case '/': streat(negativeString, " "); case '=': else { streat(positiveString, ptrl); printf("%c ",key[i]); strcat(positiveString, " "); break; ptr1 = strtok(NULL, " "); printf("\n\nPositive Integers within string: "); puts(positiveString); printf("\n\nNegative Integers within string: "); puts(negativeString); return 0:

