



```

78     else
79     {
80         if((m+1)<strlen(str1))
81         {
82             m++;
83             temp1[o]=str1[m];
84             o++;
85         }
86         else
87             m++;
88     }
89
90 }
91 temp2[o1] = '\0';
92 temp1[o] = '\0';
93 t[0] = str1[var];
94 t[1] = '\0';
95 for(n=1;n<=5;n++)
96 {
97     if(strcmp(array[n][0],t)==0)
98         break;
99 }
100 strcpy(str1,temp2);
101 strcat(str1,array[n][1]);
102 strcat(str1,temp1);
103 printf("\n\t%s",str1);
104
105 if(strcmp(array[n][1],"0")==0)
106 {
107     if(i==(strlen(str)-1))
108     {
109         int len=strlen(str1);
110         str1[len-1]='\0';
111         printf("\n\t%s",str1);
112         printf("\n\n\tENTERED STRING IS VALID");
113         exit(1);
114     }
115     strcpy(temp1,"\0");
116     strcpy(temp2,"\0");
117     strcpy(t,"\0");
118     goto again1;
119 }
120 if(strcmp(array[n][1],"Error")==0)
121 {
122     printf("\n\tERROR IN YOUR SOURCE STRING");
123     exit(1);
124 }
125 strcpy(tt,"\0");
126 strcpy(tt,array[n][1]);
127 strcpy(t3,"\0");
128 f=0;
129 for(c=0;c<strlen(tt);c++)
130 {
131     t3[c]=tt[c];
132     t3[c+1]='\0';
133     if(strcmp(t3,temp)==0)
134     {
135         f=0;
136         break;
137     }
138     else
139         f=1;
140 }
141
142 if(f==0)
143 {
144     strcpy(temp,"\0");
145     strcpy(temp1,"\0");
146     strcpy(temp2,"\0");
147     strcpy(t,"\0");
148     i++;
149     k=0;
150     goto again;
151 }
152 else
153 {
154     strcpy(temp1,"\0");

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155         strcpy(temp2, "\0");
156         strcpy(t, "\0");
157         goto again1;
158     }
159 }
160 }
161 i++;
162 k++;
163 }
164 if(f1==0)
165     printf("\nENTERED STRING IS INVALID");
166 else
167     printf("\n\n\tENTERED STRING IS VALID");
168 }
169
170
171
172
173
174
175 /*****OUTPUT*****/
176 *
177 * LL(1) PARSER TABLE
178
179 NT  <id>    +    *    ;
180 E   Te  XXX  XXX  XXX
181 e   XXX  +Te  XXX
182 T   Vt  XXX  XXX  XXX
183 t   XXX    *Vt
184 V   <id>  XXX  XXX  XXX
185
186 ENTER THE STRING : <id>+<id>*<id>
187
188 CHECKING VALIDATION OF THE STRING
189 E
190 Te
191 Vte
192 <id>te
193 <id>e
194 <id>+Te
195 <id>+Vte
196 <id>+<id>te
197 <id>+<id>*Vte
198 <id>+<id>*<id>te
199 <id>+<id>*<id>e
200 <id>+<id>*<id>
201
202 ENTERED STRING IS VALID
203
204
205 *****/
206

```