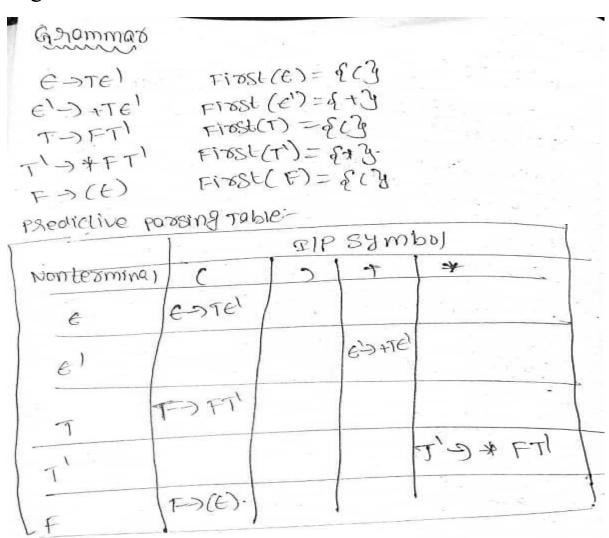
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IMPLEMENTATION OF PREDECTIVE PARSING TABLE (LL(1))

(02/03/2022)

Aim: To Find the Predective parsing table for given Grammar

Algo:



CODE:

#include<stdio.h>

#include<string.h>

#include<ctype.h>

```
char gram[10][10],first[10];
int k=0,n;
void funcfirst(char g,int n)
{
  int i,j;
  if(!(isupper(g)))
     first[k++]=g;
  else
    for(i=0;i<n;i++)
       if(gram[i][0]==g)
         if(islower(gram[i][3]))
            first[k++]=gram[i][3];
         else
            funcfirst(gram[i][3],n);
       }
int main()
  char nt;
  printf("Enter No of Productions ");
  scanf("%d",&n);
  printf("Enter the Productions");
  for(int i=0;i<n;i++)
    scanf("%s",gram[i]);
  printf("...PREDECTIVE PARSING TABLE LL(0)...\n");
  for(int i=0;i<n;i++)
```

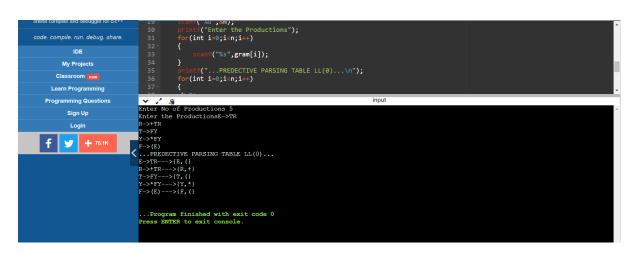
```
{
    k=0;
    funcfirst(gram[i][0],n);

printf("%s--->",gram[i]);
    for(int j=0;j<k;j++)
    {
        printf("{%c,%c}",gram[i][0],first[j]);
    }

printf("\n");
}

return 0;</pre>
```

OUTPUT:



RESULT: Hence Predective Parsing Table is Constructed For Given Grammar