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Aim: To Implement Intermediate Code generation

Code:

```
include <stdib.h>
#include <stdib.h>
#include <string.h>

Int i = 1, j = 0, no = 0, tmpch = 90; // Texamony variables for the management of the string of the string
```

```
void findopr() {

for (i = 0; str[i] != '\0'; i++) {
        k[j].pos = i;
        k[j++].op = ':';
    }

for (i = 0; str[i] != '\0'; i++) {
        k[j].pos = i;
        k[j+-].op = '/;
    }

for (i = 0; str[i] != '\0'; i++) {
        if (str[i] == '*-) {
            k[j].pos = i;
            k[j+-].op = '*-;
    }

for (i = 0; str[i] != '\0'; i++) {
        if (str[i] == '*-) {
            k[j+-].op = '*-;
    }

for (i = 0; str[i] != '\0'; i++) {
        if (str[i] == '--) {
            k[j+-].op = '--;
        }
}
```

```
void explore() {
    i = 0;
    while (k[i].op != "\0") {
        fleft(k[i].pos);
        fright(k[i].pos);
        str[k[i].pos] = tmpch--;

        printf("\t%c := %s %c %s\n", str[k[i].pos], left, k[i].op, right);

        i++;
}

fright(-1);
    if (no == 0) {
        fleft(strlen(str));
        printf("\t%s := %s\n", right, left);
        exit(0);
}

printf("\t%s := %c\n", right, str[k[--i].pos]);
}
```

```
void fleft(int x) {
    int w = 0, flag = 0;
    x-:;
    while (x != -1 && str[x] != '*' && str[x] != '*' && str[x] != '*' && str[x] != '/' && str[x] !=
```

Output:

Result: Thus, the program to implement intermediate code generation has been executed successfully

```
INTERMEDIATE CODE GENERATION

Enter the Expression : a+b*c-d/e$
The intermediate code:

Z := d / e

Y := b * c

X := a + Y

W := X - Z

W := X
```