

Function Point Analysis

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CODE:

```
#include<stdio.h>

#include<stdlib.h>

#include<conio.h>

void main()

{

    int a[5],b[5],c[14];

    printf("Enter Count values for-->No of User Inputs,\n\t\tNo of User
Outputs,\n\t\tNo of User Inquiries,\n\t\tNo of Files,\n\t\tNo of External
Interfaces\n");

    int i=0;

    while(i<5)

    {

        scanf("%d",&a[i]);

        i++;

    }

    printf("Enter Complexity Values for present inputs-->0 - 10\n");

    i=0;

    while(i<5)
```

```
{  
    scanf("%d",&b[i]);  
    i++;  
}  
i=0;  
float t=0;  
while(i<5)  
{  
    t=t+(a[i]*b[i]);  
    i++;  
}  
printf("Count Total For Given input is-->%f\n",t);  
i=0;  
int s=0;  
printf("Enter values for Ci-->\n");  
while(i<14)  
{  
    scanf("%d",&c[i]);  
    s=s+c[i];  
    i++;  
}  
float vaf=0.65+((float)s/100);  
t=t*vaf;
```

```
printf("Adjusted Function Point is-->%f\n",t);
printf("Enter Function Points per Month-->");
int fp=0,cost=0;
scanf("%d",&fp);
printf("Enter Cost per month-->");
scanf("%d",&cost);
printf("Cost per Fucntion Point is-->%f\n",(float)cost/fp);
printf("Total Cost is-->%f\n",t*((float)cost/fp));
printf("Total Resources Used-->%f",t/fp);
getch();
}
```

OUTPUT:

```
Aadhityas-MacBook-Air:C aadhitya$ gcc fpanalysis.c
fpanalysis.c:3:1: warning: return type of 'main' is not 'int' [-Wmain-return-type]
void main()
^
fpanalysis.c:3:1: note: change return type to 'int'
void main()
~~~~~
int
1 warning generated.
Aadhityas-MacBook-Air:C aadhitya$ ./a.out
Enter Count values for-->No of User Inputs,
                        No of User Outputs,
                        No of User Inquiries,
                        No of Files,
                        No of External Interfaces
1
5
5
8
8
Enter Complexity Values for present inputs-->0 - 10
9
5
0
1
3
Count Total For Given input is-->66.000000
Enter values for Ci-->
7
2
5
9
3
1
2
0
7
8
4
1
3
5
Adjusted Function Point is-->80.520004
Enter Function Points per Month-->8
Enter Cost per month-->1220
Cost per Fuction Point is-->152.500000
Total Cost is-->12279.300781
Total Resources Used-->10.065001Aadhityas-MacBook-Air:C aadhitya$
```