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Practice Programs

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```
1. #include <stdio.h>
int main()
{
    int x=1; int a, b; int res=0; int f;
    char ch;
    while (x==1)
    {
        f=0;
        printf("Enter the two numbers\n");
        scanf("%d %d", &a, &b);
        scanf("%d %d", &a, &b);
        printf("Enter the operator\n");
        scanf("%c", &ch);
        switch (ch)
        {
            case '+': res = a+b; f=1;
                      break;

            case '-': res = a-b; f=1;
                      break;

            case '*': res = a*b; f=1;
                      break;

            case '/': res = if (b)
                      {
                          res = a/b; f=1;
                      }
                      else
                          printf("Invalid value of b\n");
                      break;
        }
    }
}
```

```
case '>' : if (a > b)
           printf ("True \n");
           else
           printf ("False \n");
           break;
```

```
case '<' : if (a < b)
           printf ("True \n");
           else
           printf ("False \n");
           break;
```

```
case '=' : if (a == b)
            printf ("True \n");
            else
            {
                printf ("False \n");
            }
            break;
```

```
case '!' : if (a != b)
            printf ("True \n");
            else
            printf ("False \n");
            break;
```

```
case '&' : res = a & b;
           l = 1;
           break;
```

```
case '|' : res = a | b;
           l = 1;
           break;
```



```

}
if (f)
printf ("1.d", res);
printf ("Enter 1 to continue and 0 to exit\n");
scanf ("1.d", &x);

```

```

}
return 0;

```

```

}

```

2. `#include <stdio.h>`

```

float sumaver (int a, int b)
{
printf ("sum: 1.d\n", (a+b));
return (a+b)/2.0;
}

```

```

}

```

```

void printeven (int a, int b)
{

```

```

{

```

```

if (a-1.2)
{

```

```

{

```

```

a++;

```

```

printf ("Even numbers:");

```

```

for (int i=a; i<=b; i=i+2)

```

```

printf ("1.d", i);

```

```

printf ("\n");

```

```

}

```

```

int main()
{

```

```

{

```

```

int a[3]; int max1, max2;

```

```

float avg;

```

```
printf("Enter three numbers\n");  
scanf("%d %d %d", &a[0], &a[1], &a[2]);  
max1 = 0, max2 = 0;  
for(int i = 0; i < 3; i++)  
    if(a[i] > a[max1])  
        max1 = i;  
for(int i = 0; i < 3; i++)  
    max2 = i;  
for avg = sumover[a[max2], a[max1]];  
printf("avg = %d", avg);  
return 0;
```

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