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```
#include <stdio.h>
#include <conio.h>
#include <math.h>
int main()
{
    int i, a, b;
    float s;
    printf("Enter 1 for addition :\n");
    printf("Enter 2 for subtraction :\n");
    printf("Enter 3 for multiplication :\n");
    printf("Enter 4 for reminder :\n");
    printf("Enter 5 for greater :\n");
    printf("Enter 6 for smaller :\n");
    printf("Enter 7 for equal :\n");
    printf("Enter 8 for not equal :\n");
    printf("Enter 9 for square :\n");
    printf("Enter 10 for square root :\n");
    scanf("%d", &i);
    while(i!=0)
    {
        printf("Enter the two number :\n");
        scanf("%d %d", &a, &b);
        if(i==1)
        {
            s=a+b;
            printf("%f", s);
        }
```

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```
else if(j==2)
{
    s=a-b;
    printf("%f",s);
}
else if(j==3)
{
    s=a*b;
    printf("%f",s);
}
else if(j==4)
{
    s=a%b;
    printf("%f",s);
}
else if(j==5)
{
    if(a>b)
        printf("%d is greater than %d",a,b);
    else
        printf("%d is greater than %d",b,a);
}
else if(j==6)
{
    if(a<b)
        printf("%d is smaller than %d",a,b);
```

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```
else
    printf("%d is smaller than %d", b, a);
}
else if(i==4)
{
    if(a==b)
        printf("%d is equal to %d", a, b);
    else
        printf("%d is not equal to %d", a, b);
}
else if(i==8)
{
    if(a==b)
        printf("%d is equal to %d", a, b);
    else
        printf("%d is not equal to %d", a, b);
}
else if(i==9)
{
    s=a*a;
    printf("Square of %d is %f", a, s);
    s=b*b;
    printf("Square of %d is %f", b, s);
}
else if(i==10)
{
```

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```
    s = sqrt(a);
    printf("Square root of %d is %f", a, s);
    s = sqrt(b);
    printf("Square root of %d is %f", b, s);
}
printf("\n Enter 1 for addition : \n");
printf("Enter 2 for subtraction : \n");
printf("Enter 3 for multiplication : \n");
printf("Enter 4 for remainder : \n");
printf("Enter 5 for greater : \n");
printf("Enter 6 for smaller : \n");
printf("Enter 7 for equal : \n");
printf("Enter 8 for not equal : \n");
printf("Enter 9 for square : \n");
printf("Enter 10 for square root : \n");
printf("Enter 0 for exit : \n");
scanf("%d", &ch);
}
return 0;
}
```