

IBM19C5093

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classmate

Date \_\_\_\_\_

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Prog - 1

```
#include <stdio.h>
#include <math.h>
```

```
int main()
```

```
{
```

```
    int ch=1, c, d;
```

```
    float a, b;
```

```
    while (ch != 0)
```

```
    {
```

```
        printf("choose an operation :  
in 0. Stop \n 1. + \n 2. - \n 3. x  
in 4. / \n 5. % \n 6. ^ \n 7. ==  
in 8. < \n 9. > \n 10. != ");
```

```
scanf("%d", &ch);
```

```
switch (ch)
```

```
{ case 0: return 0;
```

```
  case 1:
```

```
      printf("Enter two numbers:  
in");
```

```
      scanf("%f %f", &a, &b);
```

```
      printf("%f + %f = %f", a, b, a+b);
```

```
      break;
```

```
  case 2:
```

```
      printf("Enter two numbers:\n");
```

```
      scanf("%f %f", &a, &b);
```

```
      printf("%f - %f = %f", a, b, a-b);
```

```
      break;
```

```
  case 3:
```

```
      printf("Enter two numbers:\n");
```

```
      scanf("%f %f", &a, &b);
```

```
      printf("%f * %f = %f", a, b, a*b);
```

```
      break;
```

```
  case 4:
```

case 3:

```
printf("Enter two numbers:\n");  
scanf("%f %f", &a, &b);  
printf("%f * %f = %f", a, b, a*b);  
break;
```

case 4:

```
printf("Enter two numbers:\n");  
scanf("%f %f", &a, &b);  
printf("%f / %f = %f", a, b, a/b);  
break;
```

case 5:

```
printf("Enter two integers:\n");  
scanf("%d %d", &c, &d);  
printf("%d * %d = %d",  
       c, d, c*d);  
break;
```

case 6:

```
printf("Enter two numbers:\n");  
scanf("%f %f", &a, &b);  
printf("%f ^ %f = %f", a, b, pow(a, b));  
break;
```

case 7:

```
printf("Enter two numbers:\n");  
scanf("%f %f", &a, &b);  
printf("%f == %f = %d", a, b, a==b);  
break;
```



case 8: case 8:

```
printf("Enter two numbers:\n");
scanf("%f %f", &a, &b);
printf("%f < %f = %d", a, b, a < b);
break;
```

case 9:

```
printf("Enter two numbers:\n");
scanf("%f %f", &a, &b);
printf("%f > %f = %d", a, b, a > b);
break;
```

case 10:

```
printf("Enter two numbers:\n");
scanf("%f %f", &a, &b);
printf("%f != %f = %d", a, b, a != b);
break;
```

default:

```
printf("Invalid entry");
```

}

}

return 0;

}