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```
#include <stdio.h>
#include <stdlib.h>
#include <math.h>
void add (float a, float b) {
   printf ("\n Sum = %f", a+b);
}
void difference (float a, float b) {
   printf ("\n Difference = %f", a-b);
}
void quotient (float a, float b) {
   printf ("\n Quotient = %f", a/b);
void p }
void product (float a, float b) {
 printf ("\n Product = %f", a*b);
}
Void compare (float a, float b) {
 if (a>b)
 printf ("\n %f > %f", a, b);
 else if (a<b)
 printf ("\n %f < %f", a, b);
 else printf ("\n They are equal");
}
void decrement (float a, float b) {
   a--; b--;
   printf ("\n After decrement, numbers are %f & %f", a, b);
}
void root (float a, float b) {
printf ("\n Root of %f = %f, Root of %f = %f", a, sqrt(a), b,
sqrt(b));
}
```

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```
void square(float a, float b) {
  printf("\n Square of %f = %f, Square of %f = %f",
        a, a*a, b, b*b);
}
void cube(float a, float b) {
  printf("\n Cube of %f = %f, Cube of %f = %f", a, a*a*a,
  b, b*b*b);
}
void increment(float a, float b) {
  print a++; b++;
  printf("\n After increment, numbers are %f & %f", a, b);
}

int main() {
  float a, b; int x;
  printf("\n Enter 2 nos : ");
  scanf("%f", &a);
  scanf("%f", &b);
  do {
        printf("\n *** MENU ***\n");
        printf("\n 1. Add");
        printf("\n 2. Subtract");
        printf("\n 3. Divide");
        printf("\n 4. Multiply");
        printf("\n 5. Compare");
        printf("\n 6. Decrement");
        printf("\n 7. Root");
        printf("\n 8. Square");
        printf("\n 9. Cube");
        printf("\n 10. Increment");
        printf("\n 11. Select an option...");
        scanf("%d", &x);
```

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```
switch (x) {
        case 1: add (a,b);
        break;
        case 2: difference (a,b);
        break;
        case 3; quotient (a,b);
        break;
        case 4: product (a,b);
        break;
        case 5; compare (a,b);
        break;
        case 6: decrement (a,b);
        break;
        case 7: root (a,b);
        break;
        case 8: square (a,b);
        break;
        case 9: cube (a,b);
        break)
        case 10: increment (a,b);
        break;
        case 11: exit (1);
  }
}while (x >= 10 && x >= 11);
 return0;
}
```