```c
#include<stdio.h>
#include<math.h>
void main()
{
    int n1,n2,choice;
    char ch;
    do
    {
        printf("\n Select your choice from the options given below:\n");
        printf(" ARITHMETIC OPERATIONS: \n\n 1-Addition \n2-Subtraction \n3-Multip
printf("\n5-Equal \n6-Greater than \n7-Smaller than \n8-Not equal to \n\n \n9-Peri
        scanf("%d",&choice);
        printf("Enter the first number :");
        scanf("%d",&n1);
        printf("Enter the second number:");
        scanf("%d",&n2);
        switch(choice)
        {
            case 1:
                printf("Addition of  %d and %d is: %d\n",n1,n2,n1+n2);
                break;
```


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```c
scanf("%d",&n2);
switch(choice)
{
    case 1:
        printf("Addition of  %d and %d is: %d\n",n1,n2,n1+n2);
        break;
    case 2:
        printf("Subtraction of %d  and %d is: %d\n",n1,n2,n1-n2);
        break;
    case 3:
        printf("Multiplication of %d  and %d is: %d\n",n1,n2,n1*n2);
        break;
    case 4:
        if(n2==0)
        {
            printf("Cannot divide by zero\n");
        }
        else
        {
            printf("Division of %d  and %d is : %d\n",n1,n2,n1/n2);
        }
```


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c_compiler

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```
    {
        printf("Cannot divide by zero\n");
    }
    else
    {
        printf("Division of %d  and %d is : %d\n",n1,n2,n1/n2);
    }
    break;
case 5:
    if(n1==n2)
        printf("Both the numbers are equal");
    else
        printf("Both number are not equal");
    break;
case 6:
    if(n1>n2){

        printf("%d is greater than %d",n1,n2);
    }
    else {
```


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```
        case 6:
            if(n1>n2){

                printf("%d is greater than %d",n1,n2);
            }
            else {

                printf("%d is greater than %d",n2,n1);
            }
            break;
        case 7:
            if(n1<n2)
                printf("%d is smaller than %d",n1,n2);
            else
                printf("%d is smaller than %d",n2,n1);
            break;
        case 8 :
        if(n1!=n2){
        printf("Both the numbers are not equal");
        }
        else {
```


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main.c

Save | {} Beautify | Language C

```
64                  }
65                  else {
66                  printf("The numbers are equal");
67                  break;
68  }
69
70                  case 9:
71                      printf("\n Perimeter of rectangle having length %d and breadth %d
72                      break;
73                      case 10:
74                      printf("%d to the power of %d is %f",n1,n2,pow(n1,n2));
75                      break;
76
77                   default:
78                       printf(" select correct option \n");
79                       break;
80
81                  }
82              printf ("Enter x to continue");
83              scanf (" %c", &ch);
84          }
    while (ch == 'x' || ch == 'X');
    }
```


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```
main.c:69:87: warning: format '%f' expects argument of type 'doubl
'int' [-Wformat=]

 Select your choice from the options given below:
 ARITHMETIC OPERATIONS:

  1-Addition
 2-Subtraction
 3-Multiplication
 4-Division

  RELATIONAL OPERATIONS:

 5-Equal
 6-Greater than
 7-Smaller than
 8-Not equal to


 9-Perimeter of rectangle
 10-Power
```


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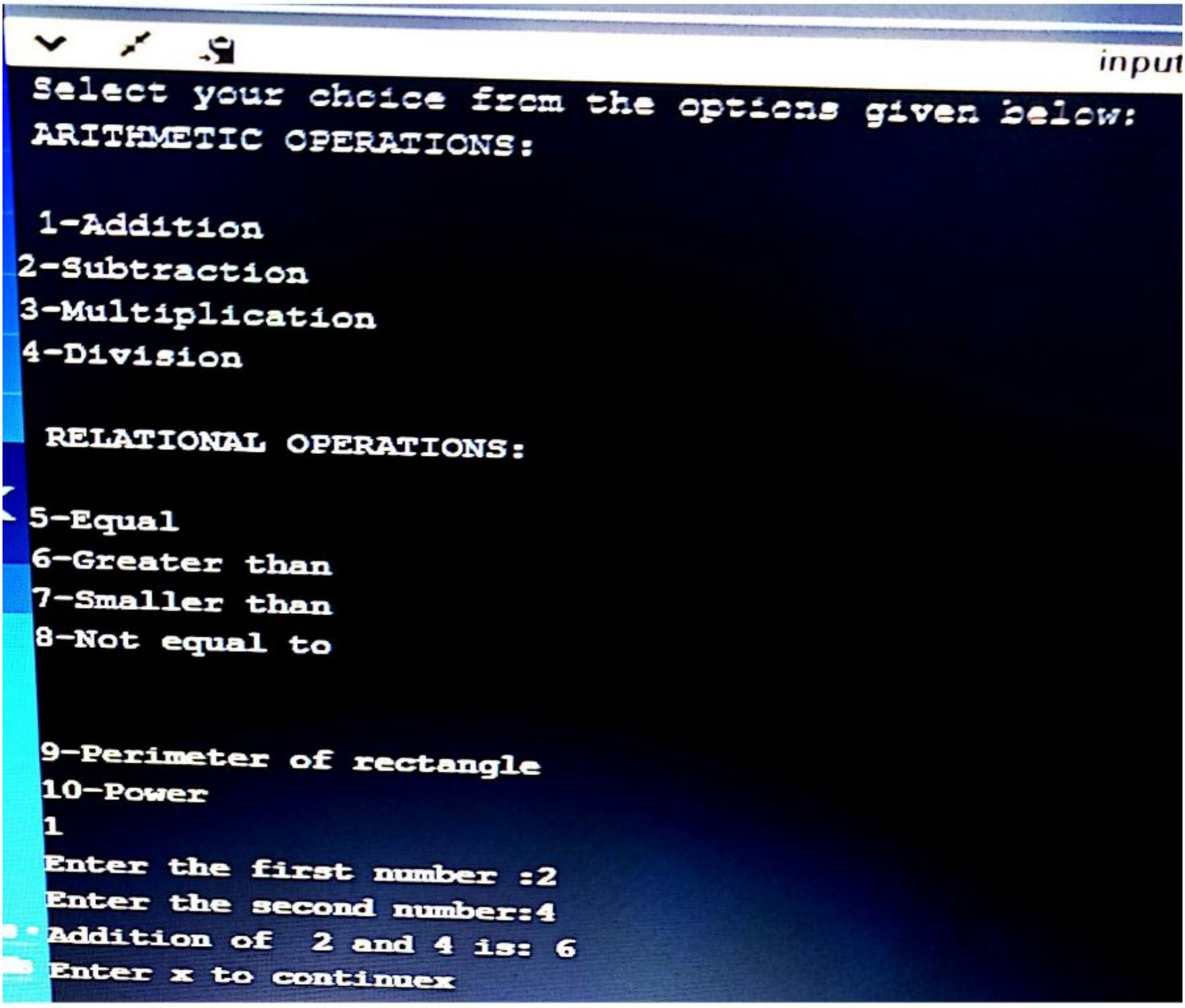

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```
ARITHMETIC OPERATIONS:

 1-Addition
2-Subtraction
3-Multiplication
4-Division

 RELATIONAL OPERATIONS:

 5-Equal
 6-Greater than
 7-Smaller than
 8-Not equal to


  9-Perimeter of rectangle
  10-Power
  6
  Enter the first number :5
  Enter the second number:8
  8 is greater than 5Enter x to continue

  ...Program finished with exit code 9
  Press ENTER to exit console.
```


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main.c

```c
#include<stdio.h>
int sumaver(int num1,int num2)
{
    float sum =0,avg;
    sum = num1+num2;
    avg = sum/2;
    printf("\nSum of two numbers is: %f \n",sum);
    return avg;
}
int printeven(int num3,int num4)
{
    int x=num3+1,arr[10];
    printf("\nEven numbers are: ");
    while(x<num4)
    {
        if(x%2==0)
            printf("%d \t",x);
        ++x;
    }
}

int main()
```


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```c
int main()
{
    int num[3],i,j,temp,s,p;
    printf("Enter three numbers:\n ");
    scanf("%d %d %d",&num[1],&num[2],&num[3]);
    for(i=1; i<4; i++)
    {
        for(j=i+1; j<4; j++)
        {
            if(num[i] > num[j])
            {
                temp = num[i];
                num[i] = num[j];
                num[j] = temp;
            }
        }
    }
    s = sumaver(num[2],num[3]);
    p = printeven(num[2],num[3]);
    printf("\nAverage: %d \n",s);
    return 0;
```


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```
nter three numbers:
56
9
22

um of two numbers is: 181.000000

ven numbers are: 60    62    64    66    68    70    72    74
6       78    80    82    84    86    88    90    92    94
6       98    100   102   104   106   108   110   112   114
16      118   120
verage: 90


..Program finished with exit code 0
ress ENTER to exit console.
```


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