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Date Page

Practice Assignments

1. Write a menu driven C program to design a simple calculator which solves 10 operations: 4 Arithematic, 4 Relational and any two of your choice. The prog should loop till the user wishes to stop

```
#include<stdio.h>
int main()
 {
    int a, b, n, x;
    printf("Enter two numbers: \n");
    scanf("%d %d", &a, &b);
    while (true)
    {
     printf("Enter a numbers from 1-10");
    scanf("%d", &n);
    switch(n)
      {
       case 1:
          printf("sum = %d", (a+b));
          break;
       case 2:
          printf("diff = %d", (a-b));
          break;
       case 3:
          printf("prod = %d", (a*b));
          break;
       case 4:
          printf("remainder = %d", (a/b));
          break;
```

```
case 5: if (a>b)
        printf(" %d is greater than %d ",
                                    a, b);
    else
        printf(" %d smaller than %d", a, b);
    break;
case 6: if (a==b)
        printf(" numbers are equal");
    else
        printf(" numbers are not equal");
case 7: if (a<b)
        printf(" %d smaller than %d", a, b);
    else
        printf(" %d greater than %d", a, b);
    break;
case 8: if (a!=b)
        printf(" numbers are not equal");
    else
        printf(" numbers are equal");
    break;
default:
        printf(" Invalid choice");
}
printf(" Enter 0 to exit & 1 to continue");
scanf(" %d ", &x);
    if (x==0)
        break;
}
return 0;
}
```