```c
1: //MODERN CALCULATOR WHICH CAN PERFORM 10 FUNCTIONS..........//
2: #include<stdio.h>
3: #include<conio.h>
4: #include<string.h>
5: main()
6: {
7:     float a,b,sum,sub,mul,div;
8:     int choice,n,i,fact=1,count=0;
9:
10:
11:
12:
13:     printf("enter your choice\n");
14:     printf("\n1 for add\n2 for substract\n3 for multiply\n4 for divison\n5 for odd or even\n6
15:
16:     scanf("%d",&choice);
17:     switch(choice)
18:     {
19:         //Addition of the two numbers...//
20:         case 1:
21:             printf("enter the two numbers\n");
22:             scanf("%f%f",&a,&b);
23:             sum=a+b;
24:             {
25:                 printf("sum of the two numbers is :%f",sum);
26:             }
27:             break;
28:         //Substracton of the two numbers.....//
29:         case 2:
30:             printf("enter the two numbers\n");
31:             scanf("%f%f",&a,&b);
32:             sub=a-b;
33:             {
34:                 printf("substraction of the two numbers is :%f",sub);
35:             }
36:             break;
37:         //Multiplication of the two numbers...//
38:         case 3:
39:             printf("enter the two numbers\n");
40:             scanf("%f%f",&a,&b);
41:             mul=a*b;
42:             {
43:                 printf("multiplication of the two numbers is:%f",mul);
44:             }
45:             break;
46:         //Division of the two numbers......//
47:         case 4:
48:             printf("enter the two numbers\n");
49:             scanf("%f%f",&a,&b);
50:             div=a/b;
51:             {
52:             printf("division of the two numbers is :%f",div);
53:             }
54:             break;
55:             //Even or odd number...//
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56:                  case 5:
57:                  printf("enter the number\n");
58:                  scanf("%d",&n);
59:                  if(n%2==0)
60:                  {
61:                      printf("number is the even number");
62:
63:                  }
64:                  else
65:                  {
66:                      printf("number is a odd number");
67:                  }
68:                  break;
69:                  //Factorial of the number...//
70:                  case 6:
71:                      printf("enter the number\n");
72:                      scanf("%d",&n);
73:                      for(i=1;i<=n;i++)
74:                      {
75:                          fact=fact*i;
76:                      }
77:                      printf("factorial of the number is:%d",fact,n);
78:                      break;
79:                      //Positive or the negative number...//
80:                      case 7:
81:                          printf("enter the number\n");
82:                          scanf("%d",&n);
83:                          if(n>0)
84:                          {
85:                              printf("number is a positive number");
86:
87:                          }
88:                          else
89:                          {
90:                              printf("number is a negative number");
91:                          }
92:                          //Table of the number.....//
93:                          break;
94:                          case 8:
95:                              printf("enter the number\n");
96:                              scanf("%d",&n);
97:                              for(i=1;i<=10;i++)
98:                              {
99:                                  printf("\n%d*%d=%d",n,i,n*i);
100:                             }
101:                             break;
102:                             //Prime number.....//
103:                             case 9:
104:                             printf("enter the number\n");
105:                             scanf("%d",&n);
106:                             for(i=1;i<=n;i++)
107:                             {
108:                                 if(n%i==0)
109:                                 {
110:                                     count++;
```

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111:                                }
112:                                }
113:                                if(count==2)
114:                                {
115:                                    printf("number is a prime number");
116:                                }
117:                                else
118:                                {
119:                                    printf("number is not a prime number");
120:                                }
121:                                break;
122:                                //Greatest of the two number.....//
123:                                case 10:
124:                                    printf("enter the two numbers\n");
125:                                    scanf("%d%d",&a,&b);
126:                                    if(a>b)
127:                                    {
128:                                        printf("a is the greater number");
129:                                    }
130:                                    else
131:                                    {
132:                                        printf("b is the greater number");
133:                                    }
134:                                    break;
135:                                    default:
136:                                        printf("Plz enter the valid key to perform any operation"
137:
138:
139:
140:
141:
142:
143:        }
144: }
```