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| --- |
| #include<function.h> |
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| --- |
| int main() |
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| --- |
| { |
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| --- |
| int choice,input1,input2,result; |
|  |

|  |
| --- |
| double triginput,trigoutput; |
|  |

|  |
| --- |
| printf("\nPlease select the required operation to be performed \n"); |
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| --- |
| printf("1.Addition\n"); |
|  |

|  |
| --- |
| printf("2.Subtraction\n"); |
|  |

|  |
| --- |
| printf("3.Multiplication\n"); |
|  |

|  |
| --- |
| printf("4.Division\n"); |
|  |

|  |
| --- |
| printf("5.Square Root\n"); |
|  |

|  |
| --- |
| printf("6.Modulus\n"); |
|  |

|  |
| --- |
| printf("7.Factorial\n"); |
|  |

|  |
| --- |
| printf("8.Find Cos of value\n"); |
|  |

|  |
| --- |
| printf("9.Power of x,y\n"); |
|  |

|  |
| --- |
| printf("10.Find the sin value\n"); |
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| --- |
| printf("\nEnter you choice: "); |
|  |

|  |
| --- |
| scanf("%d",&choice); |
|  |

|  |
| --- |
| switch(choice) |
|  |

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| --- |
| { |
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| --- |
| case 1: |
|  |

|  |
| --- |
| printf("\nEnter two number to add"); |
|  |

|  |
| --- |
| scanf("%d%d",&input1,&input2); |
|  |

|  |
| --- |
| result = add(input1,input2); |
|  |

|  |
| --- |
| printf("%d",result); |
|  |

|  |
| --- |
| break; |
|  |

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| --- |
| case 2: |
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| --- |
| printf("\nEnter two number to subtract"); |
|  |

|  |
| --- |
| scanf("%d%d",&input1,&input2); |
|  |

|  |
| --- |
| result = subtract(input1,input2); |
|  |

|  |
| --- |
| printf("%d",result); |
|  |

|  |
| --- |
| break; |
|  |

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| --- |
| case 3: |
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| --- |
| printf("\nEnter two number to multiply"); |
|  |

|  |
| --- |
| scanf("%d%d",&input1,&input2); |
|  |

|  |
| --- |
| result = multiply(input1,input2); |
|  |

|  |
| --- |
| printf("%d",result); |
|  |

|  |
| --- |
| break; |
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| --- |
| case 4: |
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| --- |
| printf("\nEnter two number to Divide"); |
|  |

|  |
| --- |
| scanf("%d%d",&input1,&input2); |
|  |

|  |
| --- |
| result = divide(input1,input2); |
|  |

|  |
| --- |
| printf("%d",result); |
|  |

|  |
| --- |
| break; |
|  |

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| --- |
| case 5: |
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| --- |
| printf("\nEnter a number for squareroot"); |
|  |

|  |
| --- |
| scanf("%lf",&triginput); |
|  |

|  |
| --- |
| trigoutput = squareroot(triginput); |
|  |

|  |
| --- |
| printf("%lf",trigoutput); |
|  |

|  |
| --- |
| break; |
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| --- |
| case 6: |
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| --- |
| printf("\nEnter two number to Mod"); |
|  |

|  |
| --- |
| scanf("%d%d",&input1,&input2); |
|  |

|  |
| --- |
| result = modulus(input1,input2); |
|  |

|  |
| --- |
| printf("%d",result); |
|  |

|  |
| --- |
| break; |
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| --- |
| case 7: |
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| --- |
| printf("\nEnter a number for factorial"); |
|  |

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| --- |
| scanf("%d",&input1); |
|  |

|  |
| --- |
| result = fact(input1); |
|  |

|  |
| --- |
| printf("%d",result); |
|  |

|  |
| --- |
| break; |
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| --- |
| case 8: |
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| --- |
| printf("\nEnter a number to find cosine"); |
|  |

|  |
| --- |
| scanf("%lf",&triginput); |
|  |

|  |
| --- |
| trigoutput = cosine(triginput); |
|  |

|  |
| --- |
| printf("%lf",trigoutput); |
|  |

|  |
| --- |
| break; |
|  |

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| --- |
| case 9: |
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| --- |
| printf("\nEnter a number to find sin"); |
|  |

|  |
| --- |
| scanf("%lf",&triginput); |
|  |

|  |
| --- |
| trigoutput = sine(triginput); |
|  |

|  |
| --- |
| printf("%lf",trigoutput); |
|  |

|  |
| --- |
| break; |
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| case 10: |
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| --- |
| printf("\nEnter a number for exponention"); |
|  |

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| --- |
| scanf("%d%d",&input1,&input2); |
|  |

|  |
| --- |
| result = power(input1,input2); |
|  |

|  |
| --- |
| printf("%d",result); |
|  |

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| --- |
| break; |
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| } |
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| --- |
| return 0; |
|  |

}