|  |
| --- |
| #include<function.h> |
|  |

|  |
| --- |
| #include<stdio.h> |
|  |

|  |
| --- |
| #include<math.h> |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| int add(int input1,int input2) |
|  |

|  |
| --- |
| { |
|  |

|  |
| --- |
| int result = input1+input2; |
|  |

|  |
| --- |
| return result; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| int multiply(int input1,int input2) |
|  |

|  |
| --- |
| { |
|  |

|  |
| --- |
| int result = input1\*input2; |
|  |

|  |
| --- |
| return result; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| int subtract(int input1,int input2) |
|  |

|  |
| --- |
| { |
|  |

|  |
| --- |
| int result = input1-input2; |
|  |

|  |
| --- |
| return result; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| int divide(int input1,int input2) |
|  |

|  |
| --- |
| { |
|  |

|  |
| --- |
| int result = input1/input2; |
|  |

|  |
| --- |
| return result; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| double squareroot(double triginput) |
|  |

|  |
| --- |
| { |
|  |

|  |
| --- |
| double result = sqrt(triginput); |
|  |

|  |
| --- |
| return result; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| int modulus(int input1,int input2) |
|  |

|  |
| --- |
| { |
|  |

|  |
| --- |
| int result = input1 % input2; |
|  |

|  |
| --- |
| return result; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| int fact(int input1) |
|  |

|  |
| --- |
| { |
|  |

|  |
| --- |
| int factiterator,fact =1; |
|  |

|  |
| --- |
| if (input1 < 0) |
|  |

|  |
| --- |
| printf("Error! Factorial of a negative number doesn't exist."); |
|  |

|  |
| --- |
| else { |
|  |

|  |
| --- |
| for (factiterator = 1; factiterator <= input1; ++factiterator) { |
|  |

|  |
| --- |
| fact \*= factiterator; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| return fact; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| double cosine(double triginput) |
|  |

|  |
| --- |
| { |
|  |

|  |
| --- |
| double result = cos(triginput); |
|  |

|  |
| --- |
| return result; |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| double sine(double triginput) |
|  |

|  |
| --- |
| { |
|  |

|  |
| --- |
| double result = sin(triginput); |
|  |

|  |
| --- |
| return result; |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| int power(int input1,int input2) |
|  |

|  |
| --- |
| { |
|  |

|  |
| --- |
| int result = pow(input1,input2); |
|  |

|  |
| --- |
| return result; |
|  |

|  |
| --- |
| } |
|  |