```
#include <iostream>
#include <iomanip>
using namespace std;

int main()
{
   int days_worked, increase = 2;
   double total_salary = 0, daily_salary = .01;

   cout << "Enter number of days worked: ";
   cin >> days_worked;

   while (cin.fail() || days_worked < 1)  //Input Validation: Do not accept a number less than 1
for the number of days worked.
   {
      cout << "Please enter a valid number. A valid number is 1 days work or more. \n";
      cin.clear();
      cin.ignore();

      cout << "Enter number of days worked: ";
      cin >> days_worked;

   }

   cout << setprecision(2) << fixed;
   cout << "Days worked \t Salary \n";
   cout << "------------------------- \n";

   for (int i = 1; i <= days_worked; i++)
   {
      total_salary += daily_salary;      // total_salary = total_salary + daily_salary
      cout << i << "\t\t " << " $" << daily_salary << endl;
      daily_salary *= increase;         //daily_salary = daily_salary * increase

   }

   cout << endl;
   cout << "Total salary for " << days_worked << " days worked is $" << total_salary << endl;

   return 0;
}
```

Pseudocode

Create variables for days worked, daily salary, total salary and accumulator.

Ask the user to input days worked.

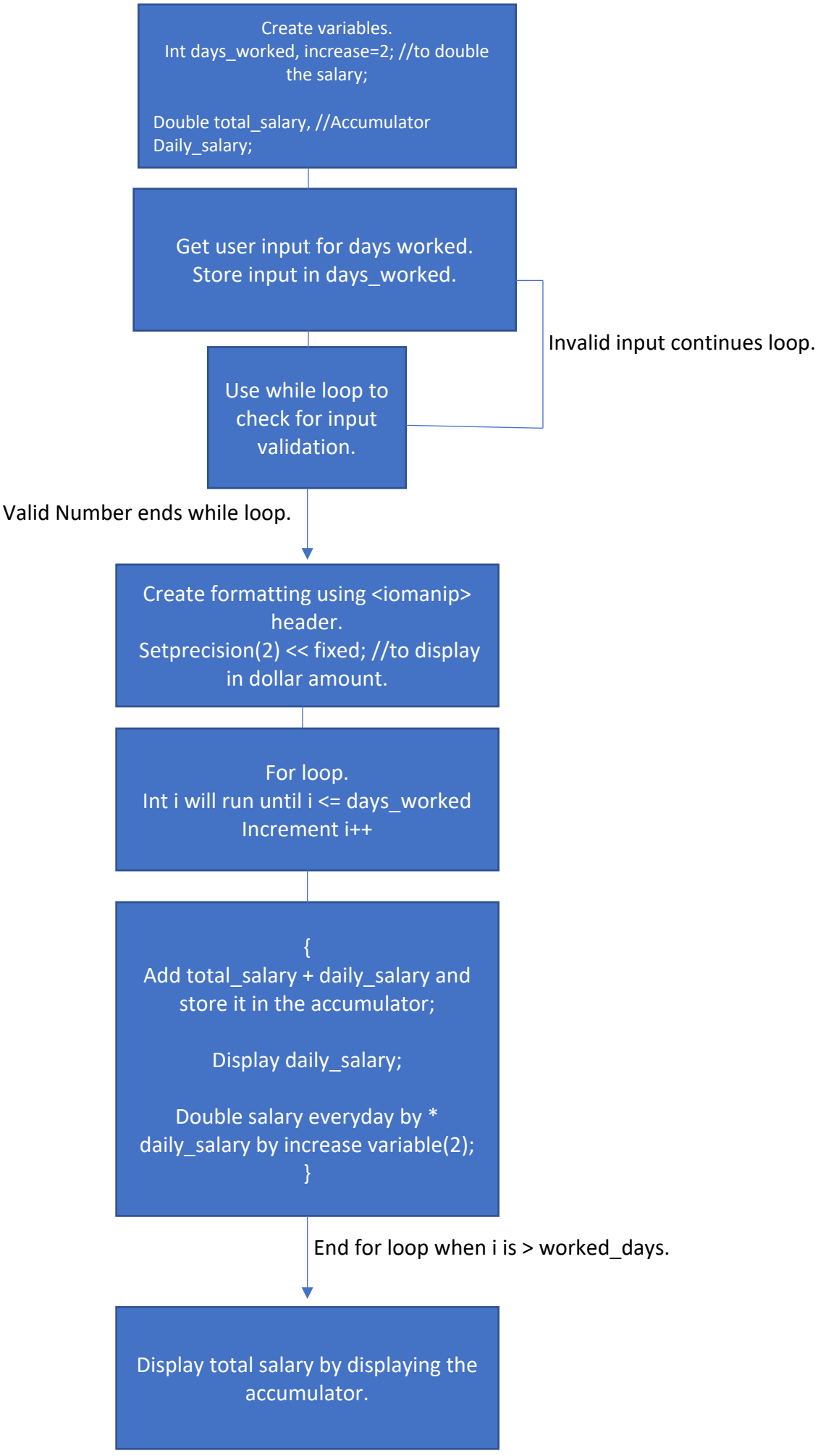
Use while loop for input validation.

Set formatting using <iomanip> header.

Create for loop to run for at least one day and not stop until the # of days the user worked.
Increment day by 1.

Inside for loop: Calculate days salary by adding daily salary to the accumulator.
Display daily salary.
Double the salary everyday by multiplying daily salary by 2.
End for loop.

Display total salary for all days worked by displaying accumulator variable.


Create variables.
Int days_worked, increase=2; //to double the salary;
Double total_salary, //Accumulator
Daily_salary;
Get user input for days worked.
Store input in days_worked.
Invalid input continues loop.
Use while loop to check for input validation.
Valid Number ends while loop.
Create formatting using <iomanip> header.
Setprecision(2) << fixed; //to display in dollar amount.
For loop.
Int i will run until i <= days_worked
Increment i++
{
Add total_salary + daily_salary and store it in the accumulator;
Display daily_salary;
Double salary everyday by * daily_salary by increase variable(2);
}
End for loop when i is > worked_days.
Display total salary by displaying the accumulator.