BINARY TO DECIMAL

program

|  |
| --- |
| #include <stdio.h> |
|  | int main() |
|  | { |
|  | int num, binary\_num, decimal\_num = 0, base = 1, rem; |
|  | printf (" Enter a binary number with the combination of 0s and 1s \n"); |
|  | scanf (" %d", &num); |
|  | binary\_num = num; |
|  | while ( num > 0) |
|  | { |
|  | rem = num % 10; |
|  | decimal\_num = decimal\_num + rem \* base; |
|  | num = num / 10; |
|  | base = base \* 2; |
|  | } |
|  |  |
|  | printf ( " The binary number is %d \t", binary\_num); |
|  | printf (" \n The decimal number is %d \t", decimal\_num); |
|  | } |

