23. Write a program to convert Binary number to Decimal number using any high level language.

Program:

#include <stdio.h>

int main()

{

int binary, decimal = 0, base = 1, remainder;

printf("Enter the Binary Number = ");

scanf("%d", &binary);

int temp = binary;

while(temp > 0)

{

remainder = temp % 10;

decimal = decimal + remainder \* base;

temp = temp / 10;

base = base \* 2;

}

printf("The Binary Value = %d\n", binary);

printf("The Decimal Value = %d\n", decimal);

return 0;

}

Output:

