

```
#include <stdio.h>

int main() {
    int num1, num2, sum;
    int *ptr1, *ptr2;
    printf("Enter two numbers: ");
    scanf("%d %d", &num1, &num2);

    ptr1 = &num1;
    ptr2 = &num2;

    sum = *ptr1 + *ptr2;

    printf("Sum of %d and %d is %d", *ptr1, *ptr2, sum);
    return 0;
}
```

Explanation:

In this program, we declare two integer variables `num1` and `num2` to store the numbers entered by the user, and a variable `sum` to store their sum. We also declare two integer pointers `ptr1` and `ptr2`, which will be used to point to the memory locations of `num1` and `num2`.

After prompting the user to enter two numbers, we use the `scanf()` function to read in the values of `num1` and `num2`. We then assign the memory addresses of `num1` and `num2` to `ptr1` and `ptr2`, respectively, using the address-of operator `&`.

Next, we use the dereference operator `*` to access the values stored at the memory locations pointed to by `ptr1` and `ptr2`, and add them together to calculate the sum. Finally, we use

printf() to display the sum of the two numbers.

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