What does this programme do?

INP

STA FIRST

INP

ADD FIRST

OUT

HLT

FIRST DAT

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Mnemonic** | **Instruction** | **Description** | **Opcode** | **Memory Location** |
| INP |  |  |  |  |
| STA FIRST |  |  |  |  |
| INP |  |  |  |  |
| ADD FIRST |  |  |  |  |
| OUT |  |  |  |  |
| HLT |  |  |  |  |
| FIRST DAT |  |  |  |  |

Now enter the code, compile it and check your answers.

Stepping through the code

Copy out the messages for each stage of this programme



|  |  |
| --- | --- |
| **Mnemonic** | **Messages** |
| INP |  |
| STA FIRST |  |
| INP |  |
| ADD FIRST |  |
| OUT |  |
| HLT |  |
| FIRST DAT |  |