

Sample 8

Computer Program Extract (using the C language)

The “for” loop:

Sometimes, it is useful to have sequences of statements as parts of the control section. We can do this by separating the statements by commas; thus:

```
/* Count the number of positive and the number
 * of negative numbers input
 */

for (num_pos=num_neg=0 , next=1; next!=0; )
{
    scanf("%d",&next);
    if (next>0) num_pos++;
    else if (next<0) num_neg++;
}
```

In this case, the initialization section comprises *two* assignment-expressions, separated by a comma, to perform two initializations.