2. Which of the following are invalid variable names? Why?

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Int	char	6_05
Calloc	Xx	alpha_beta_routine
floating	_1312	z
ReInitialize	_	A$

3. Which of the following are invalid constants? Why?

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123.456	0x10.5	0X0G1
0001	0xFFFF	123L
0Xab05	0L	-597.25
123.5e2	.0001	+12
98.6F	98.7U	17777s
0996	-12E-12	07777
1234uL	1.2Fe-7	15,000
1.234L	197u	100U
0XABCDEFL	0xabcu	+123

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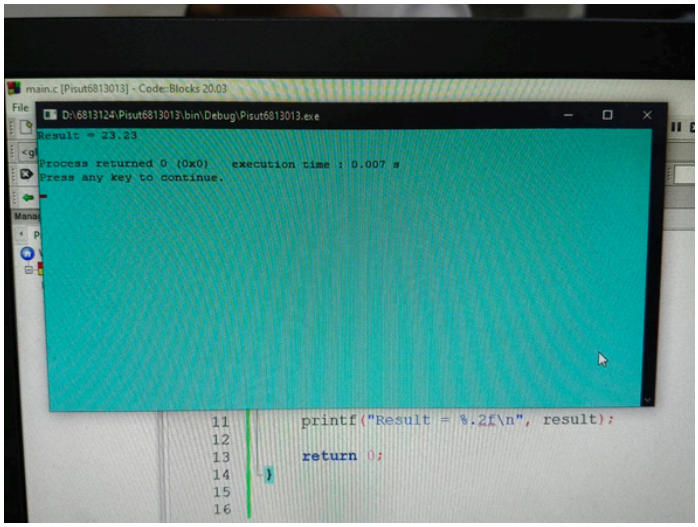
6. Write a program to evaluate the polynomial shown here:

$$3x^3 - 5x^2 + 6$$

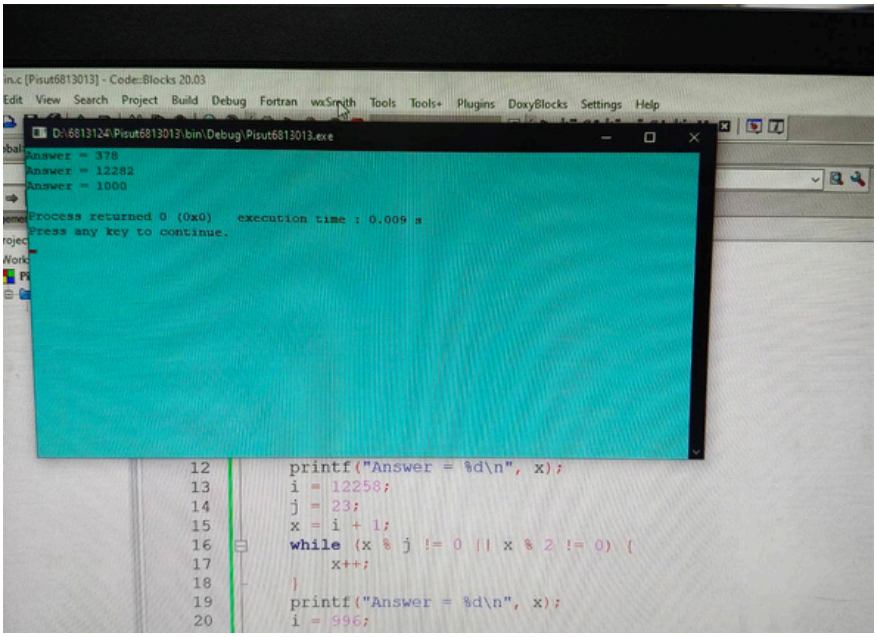
for $x = 2.55$.



8. To round off an integer `i` to the next largest even multiple of another integer `j`, the following formula can be used:

```
Next_multiple = i + j - i % j
```

For example, to round off 256 days to the next largest number of days evenly divisible by a week, values of `i = 256` and `j = 7` can be substituted into the preceding formula as follows:

Click here to view code image

```
Next_multiple    = 256 + 7 - 256 % 7
                 = 256 + 7 - 4
                 = 259
```