HW03

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Q1.

1)

error, n is negative

...

2)

DESSERTS

3)

value of a: 10

value of a: 11

value of a: 12

value of a: 13

value of a: 14

value of a: 16

value of a: 17

value of a: 18

value of a: 19

4)

-3 -3

Q2.

#include <stdio.h>  
int main(){  
 char ch = getchar();  
 if ( (ch >= 65) && (ch <= 90) ) /\* test if ch is a capital letter \*/  
 printf("%c is a capital letter\n", ch);  
 else  
 if ( (ch >= 97) && (ch <= 122) ) /\* test if ch is a small letter \*/  
 printf("%c is a small letter\n", ch);  
 else  
 if ( (ch >= 48) && (ch <= 57) ) /\* test if ch is a digit \*/  
 printf("%c is a digit\n", ch);  
 else  
 if ( (ch == 42) || (ch == 43) || (ch == 45) ||(ch == 47) ) /\* test if ch is an arithmetic operator \*/  
 printf("%c is an arithmetic operator\n", ch);  
 else  
 printf("Unrecognized character");  
 return 0;

Q3.

1)

Number of iterations = 9

2)

Number of iterations = 4

3)

Number of iterations = 2

4)

Number of iterations = 99

5)

Number of iterations = 8

6)

Number of iterations = 8

7)

Number of iterations = 8