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Reading Quiz (Chapter 6 of textbook)

Review of attempt 2

Finish review

Started on	Sunday, 6 October 2019, 03:19 PM
Completed on	Sunday, 6 October 2019, 03:48 PM
Time taken	28 mins 20 secs
Marks	35/35
Grade	**100** out of a maximum of 100 (**100**%)

Question 1
Marks: 1/1
Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int count;
for (count=12; count>=0; count-=2) {
  if (count%5==0) break;
  printf("%d ", count);
}
```

Answer:

12

Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	12	15:20:03 on 6/10/19	1	1
2	**Close&Grade**	**12**	**15:48:07 on 6/10/19**	**1**	**1**

Question 2
Marks: 1/1
Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int count;
for (count=12; count>=0; count-=2) {
  if (count%5==0) {
    count++;
    continue;
  }
  printf("%d ", count);
}
```

Answer:

12 9 7 4 2

Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	12 9 7 4 2	15:21:35 on 6/10/19	1	1
2	**Close&Grade**	**12 9 7 4 2**	**15:48:07 on 6/10/19**	**1**	**1**

Question 3
Marks: 1/1
Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int x=4, y=5, z=y+6;
do {
  printf("%d ", z);
  z+=7;
} while(((z-x)%4));
```

Answer:
11 18 25
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	11 18 25	15:22:43 on 6/10/19	1	1
2	**Close&Grade**	**11 18 25**	**15:48:07 on 6/10/19**	**1**	**1**

Question 4
Marks: 1/1
Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int count=1;
do {
  printf("%d ", count*(count-2));
} while(count++<=5);
```

Answer:
-1 0 3 8 15 24
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	-1 0 3 8 15 24	15:24:32 on 6/10/19	1	1
2	**Close&Grade**	**-1 0 3 8 15 24**	**15:48:07 on 6/10/19**	**1**	**1**

Question 5
Marks: 1/1
Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int x = 5, y = 50;
do x += 10; while (x<y);
printf("%d", x);
```

Answer:
55
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	55	15:24:49 on 6/10/19	1	1
2	**Close&Grade**	**55**	**15:48:07 on 6/10/19**	**1**	**1**

Question 6
Marks: 1/1
Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int x = 5, y = 80;
do x *= 2; while (x<y);
```

```
printf("%d", x);
```

Answer:

80

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	80	15:26:56 on 6/10/19	1	1
2	**Close&Grade**	**80**	**15:48:07 on 6/10/19**	**1**	**1**

Question 7

Marks: 1/1

Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int x = 5, y = 20;
do x += 2; while (x>=y);
printf("%d", x);
```

Answer:

7

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	7	15:27:22 on 6/10/19	1	1
2	**Close&Grade**	**7**	**15:48:07 on 6/10/19**	**1**	**1**

Question 8

Marks: 1/1

Walk through the following code fragment and write the exact output printed to standard output. Suppose that the input to the program is `5 3 8`.

```
int a, b, c, d, j;

scanf("%d%d%d", &a, &b, &c);
for (j = 1; j < a; ++j) {
  d = b + c;
  b = c;
  c = d;
  printf("%d ", c);
}
```

Answer:

11 19 30 49

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	11 19 30 49	15:31:08 on 6/10/19	1	1
2	**Close&Grade**	**11 19 30 49**	**15:48:07 on 6/10/19**	**1**	**1**

Question 9

Marks: 1/1

Walk through the following code fragment and write the exact output printed to standard output. Suppose that the input to the program is `38 35 72 24 -1`.

```
int num, sum, j;

scanf("%d%d", &sum, &num);
for (j = 1; j <= 3; ++j) {
  sum += num;
  scanf("%d", &num);
}
printf("%d\n", sum);
```

Answer:

169

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	169	15:31:54 on 6/10/19	1	1
2	**Close&Grade**	**169**	**15:48:07 on 6/10/19**	**1**	**1**

Question 10

Marks: 1/1

Walk through the following code fragment and write the ***exact*** output printed to standard output. Suppose that the input to the program is **`58 23 46 75 24 -1`**.

```
int num, sum;

scanf("%d%d", &sum, &num);
for (; num != -1; sum+=num) scanf("%d", &num);
printf("%d\n", sum);
```

Answer:

202

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	202	15:32:19 on 6/10/19	1	1
2	**Close&Grade**	**202**	**15:48:07 on 6/10/19**	**1**	**1**

Question 11

Marks: 1/1

Walk through the following code fragment and write the ***exact*** output printed to standard output. Suppose that the input to the program is **`58 23 46 75 24 -1`**.

```
int num, sum;

scanf("%d%d", &sum, &num);
for (; num != -1; scanf("%d", &num)) sum+=num;
printf("%d\n", sum);
```

Answer:

226

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	226	15:32:39 on 6/10/19	1	1
2	**Close&Grade**	**226**	**15:48:07 on 6/10/19**	**1**	**1**

Question 12

Marks: 1/1

Walk through the following code fragment and write the ***exact*** output printed to standard output. Suppose that the input to the program is **`98 150 146 75 24 -1`**.

```
int num, sum;

scanf("%d%d", &sum, &num);
for (; num != -1; sum+=num, scanf("%d", &num)) ;
printf("%d\n", sum);
```

Answer:

493

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	493	15:32:54 on 6/10/19	1	1
2	**Close&Grade**	**493**	**15:48:07 on 6/10/19**	**1**	**1**

Question 13
Marks: 1/1
Walk through the following code fragment and write the ***exact*** output printed to standard output. Suppose that the input to the program is **`98 150 146 75 24 -1`**.

```
int num, sum;

scanf("%d%d", &sum, &num);
for (; num != -1; scanf("%d", &num), sum+=num) ;
printf("%d\n", sum);
```

Answer:
342
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	342	15:33:06 on 6/10/19	1	1
2	**Close&Grade**	**342**	**15:48:07 on 6/10/19**	**1**	**1**

Question 14
Marks: 1/1
Walk through the following code fragment and write the ***exact*** output printed to standard output. Suppose that the input to the program is **`58 23 46 75 98 150 12 176 145 -999`**.

```
int num;
for (scanf("%d",&num); num != -999; printf("%d ", num%25), scanf("%d", &num));
```

Answer:
8 23 21 0 23 0 12 1 20
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	8 23 21 0 23 0 12 1 20	15:33:58 on 6/10/19	1	1
2	**Close&Grade**	**8 23 21 0 23 0 12 1 20**	**15:48:07 on 6/10/19**	**1**	**1**

Question 15
Marks: 1/1
Walk through the following code fragment and write the ***exact*** output printed to standard output. Suppose that the input to the program is **`58 23 46 75 98 150 12 176 145 -999`**.

```
int num;
for (scanf("%d",&num); num != -999; scanf("%d", &num), printf("%d ", num%25));
```

Answer:
23 21 0 23 0 12 1 20 -24
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	23 21 0 23 0 12 1 20 -24	15:35:25 on 6/10/19	1	1
2	**Close&Grade**	**23 21 0 23 0 12 1 20 -24**	**15:48:07 on 6/10/19**	**1**	**1**

Question 16
Marks: 1/1
Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int i, value;
for (i=value=0; i<=5; ++i) {
  if (i%2==0&&i>3) value-=i;
  else if (i%2==0&&i<=3) value+=i;
  else value+=i*i;
}
printf("%d", value);
```

Answer:

33

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	33	15:35:42 on 6/10/19	1	1
2	**Close&Grade**	**33**	**15:48:07 on 6/10/19**	**1**	**1**

Question 17

Marks: 1/1

Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int i, x, y;
for (i=x=19683, y=0; i>=1; i/=3,++y);
printf("%d", y);
```

Answer:

10

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	10	15:36:00 on 6/10/19	1	1
2	**Close&Grade**	**10**	**15:48:07 on 6/10/19**	**1**	**1**

Question 18

Marks: 1/1

Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int i, j;
for (i=0, j=2; i<=5; ++i,j=2*j+3);
printf("%d", j);
```

Answer:

317

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	317	15:36:15 on 6/10/19	1	1
2	**Close&Grade**	**317**	**15:48:07 on 6/10/19**	**1**	**1**

Question 19

Marks: 1/1

Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int i, j;
for (i=j=0; i<5; ++i)
{
  j = 2*j+i;
}
printf("%d", j);
```

Answer:

26

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	26	15:36:26 on 6/10/19	1	1
2	**Close&Grade**	**26**	**15:48:07 on 6/10/19**	**1**	**1**

Question 20
Marks: 1/1
Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int i, j;
for (i=j=0; i<5; ++i);
{
  j = 2*j+i;
}
printf("%d", j);
```

Answer:
5
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	5	15:36:39 on 6/10/19	1	1
2	**Close&Grade**	**5**	**15:48:07 on 6/10/19**	**1**	**1**

Question 21
Marks: 1/1
Walk through the following code fragment and write the exact output printed to standard output. Suppose that the input to the program is `36 -350 712 -249 -10`.

```
int num, sum;

scanf("%d%d", &sum, &num);
for (scanf("%d",&sum); EOF!=scanf("%d",&num); sum+=num);
printf("%d", sum);
```

Answer:
453
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	453	15:36:51 on 6/10/19	1	1
2	**Close&Grade**	**453**	**15:48:07 on 6/10/19**	**1**	**1**

Question 22
Marks: 1/1
Consider the following code fragment:

```
/* definition of function foo */
int foo(int b, int n) {
  int i, p;
  for (i = p = 1; i <= n; ++i) p*=b;
  return p;
}

/* calling foo() in main() */
printf("%d", foo(6,4));
```

Walk through this code and determine the value written to standard output. Confirm your result by coding and executing the program. Now, write the ***exact*** value printed to standard output.
Answer:
1296
Correct

Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	1296	15:37:15 on 6/10/19	1	1
2	**Close&Grade**	**1296**	**15:48:07 on 6/10/19**	**1**	**1**

Question 23
Marks: 1/1
Consider the following code fragment:

```
int j = 0;
while (j < 10) ++j;
```

The `while` loop terminates when `j` > 10.
Answer:
○ True ◉ False
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	False	15:37:25 on 6/10/19	1	1
2	**Close&Grade**	**False**	**15:48:07 on 6/10/19**	**1**	**1**

Question 24
Marks: 1/1
Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int i = 100, count = 1;
while (count<100) {
  i--;
  ++count;
}
printf("%d,%d", i, count);
```

Answer:
1,100
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	1,100	15:38:32 on 6/10/19	1	1
2	**Close&Grade**	**1,100**	**15:48:07 on 6/10/19**	**1**	**1**

Question 25
Marks: 1/1
Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int val = -5;
while (val>5) val+=2;
printf("%d", val);
```

Answer:
-5
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	-5	15:39:23 on 6/10/19	1	1
2	**Close&Grade**	**-5**	**15:48:07 on 6/10/19**	**1**	**1**

Question 26
Marks: 1/1
Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int val = -5;
```

```
while (val<13) val++;
printf("%d", val);
```

Answer:

13

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	13	15:40:19 on 6/10/19	1	1
2	**Close&Grade**	**13**	**15:48:07 on 6/10/19**	**1**	**1**

Question 27

Marks: 1/1

Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int val = -5;
while (val++<13);
printf("%d", val);
```

Answer:

14

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	14	15:41:53 on 6/10/19	1	1
2	**Close&Grade**	**14**	**15:48:07 on 6/10/19**	**1**	**1**

Question 28

Marks: 1/1

Walk through the following code fragment and write the ***exact*** output printed to standard output:

```
int x=4, y=5, z=y+6;
while (((z-x)%4)!=0) {
  printf("%d",z);
  z+=7;
}
```

Answer:

11,18,25

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	11,18,25	15:42:12 on 6/10/19	1	1
2	**Close&Grade**	**11,18,25**	**15:48:07 on 6/10/19**	**1**	**1**

Question 29

Marks: 1/1

Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int i=0, count=0;
while (i++<10) ++count;
printf("%d", count);
```

Answer:

10

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	10	15:42:48 on 6/10/19	1	1
2	**Close&Grade**	**10**	**15:48:07 on 6/10/19**	**1**	**1**

Question 30

Marks: 1/1

Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int i=5, count=0;
while (--i>0) ++count;
printf("%d", count);
```

Answer:

4

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	4	15:44:10 on 6/10/19	1	1
2	**Close&Grade**	**4**	**15:48:07 on 6/10/19**	**1**	**1**

Question 31

Marks: 1/1

Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int i=5, count=0;
while (i-->0) ++count;
printf("%d", count);
```

Answer:

5

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	5	15:46:25 on 6/10/19	1	1
2	**Close&Grade**	**5**	**15:48:07 on 6/10/19**	**1**	**1**

Question 32

Marks: 1/1

Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
int i=1, count=0;
while (i++<=5) ++count;
printf("%d", count);
```

Answer:

5

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	5	15:46:37 on 6/10/19	1	1
2	**Close&Grade**	**5**	**15:48:07 on 6/10/19**	**1**	**1**

Question 33

Marks: 1/1

Walk through the following code fragment and write the ***exact*** output printed to standard output.

```
char ch = 'B';
while ('A'<=ch&&ch<'Z') ++ch;
printf("%c", ch);
```

Answer:

Z

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	Z	15:47:46 on 6/10/19	1	1
2	**Close&Grade**	**Z**	**15:48:07 on 6/10/19**	**1**	**1**

Question 34
Marks: 1/1
A loop is a control structure that causes certain statements to execute over and over.
Answer:
◉ True ○ False
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	True	15:47:59 on 6/10/19	1	1
2	**Close&Grade**	**True**	**15:48:07 on 6/10/19**	**1**	**1**

Question 35
Marks: 1/1
To read data from a file of an unspecified length, an **`EOF`**-controlled loop is a good choice.
Answer:
◉ True ○ False
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	True	15:48:03 on 6/10/19	1	1
2	**Close&Grade**	**True**	**15:48:07 on 6/10/19**	**1**	**1**

Finish review
