cs120f19-a.sg

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Reading Quiz (Chapters 11, 12 and 13 of textbook)

Review of attempt 3

Finish review

Started on	Sunday, 10 November 2019, 12:54 AM
Completed on	Sunday, 10 November 2019, 01:08 AM
Time taken	14 mins 10 secs
Marks	70/70
Grade	**100** out of a maximum of 100 (**100**%)

Question 1
Marks: 1/1
If `i` is a variable and `p` points to `i`, which of the following expressions are aliases for `i`?
Choose at least one answer.

- ☐ &*p
- ☐ *i
- ☐ &i
- ☑ *&i
- ☐ &*i
- ☐ &p
- ☑ *p
- ☐ *&p

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

#	Action	Response	Time	Raw score	Grade
1	Grade	*p,*&i	00:55:45 on 10/11/19	1	1
2	**Close&Grade**	***p,*&i**	**01:08:50 on 10/11/19**	**1**	**1**

Question 2
Marks: 1/1
If `i` is an `int` variable and `p` and `q` are pointers to `int`, which of the following assignments are legal?
Choose at least one answer.

- ☑ p = *&q;
- ☐ p = i;
- ☐ *p = q;
- ☐ p = *q;
- ☐ &p = q;
- ☐ p = &q;
- ☐ *p = &i;
- ☑ p = q;
- ☑ *p = *q;

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

#	Action	Response	Time	Raw score	Grade
1	Grade	p = *&q;,p = q;,*p = *q;	00:56:04 on 10/11/19	1	1
2	**Close&Grade**	**p = *&q;,p = q;,*p = *q;**	**01:08:50 on 10/11/19**	**1**	**1**

Question 3
Marks: 1/1
Given the definitions

```
int x;
int *p;
int *q;
```

which of the following statements are valid? If a statement is invalid, make sure to explain why (to yourself).
Choose at least one answer.

- [ ] p = x;
- [x] *p = 56;
- [x] p = q;
- [x] q = &x;
- [x] *p = *q;
- [ ] *p = q;

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

#	Action	Response	Time	Raw score	Grade
1	Grade	p = q;,*p = 56;,*p = *q;,q = &x;	00:57:44 on 10/11/19	1	1
2	**Close&Grade**	**p = q;,*p = 56;,*p = *q;,q = &x;**	**01:08:50 on 10/11/19**	**1**	**1**

Question 4
Marks: 1/1
The address of operator (`&`) returns the address and value of its operand.
Answer:

- ○ True
- ◉ False

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

#	Action	Response	Time	Raw score	Grade
1	Grade	False	00:57:52 on 10/11/19	1	1
2	**Close&Grade**	**False**	**01:08:50 on 10/11/19**	**1**	**1**

Question 5
Marks: 1/1
Given the following definition

```
int x = 10;
```

is the subsequent definition valid?

```
int* y = &x, z = &x;
```

Answer:

- ○ True
- ◉ False

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

#	Action	Response	Time	Raw score	Grade
1	Grade	False	00:57:57 on 10/11/19	1	1
2	**Close&Grade**	**False**	**01:08:50 on 10/11/19**	**1**	**1**

Question 6
Marks: 1/1

If **p** is a pointer variable, then the statement

```
p = p * 2;
```

is valid.
Answer:
○ True ◉ False
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	False	00:58:04 on 10/11/19	1	1
2	**Close&Grade**	**False**	**01:08:50 on 10/11/19**	**1**	**1**

Question 7
Marks: 1/1
Write the exact value written to standard output by the following code:

```
int foo(char const *src) {
  char const *pc = src;
  while (*src) src++;
  return src-pc;
}

#include <stdio.h>

int main(void) {
  printf("%d", foo("subdermatoglyphic"));
  return 0;
}
```

Answer:
17
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	17	00:58:15 on 10/11/19	1	1
2	**Close&Grade**	**17**	**01:08:50 on 10/11/19**	**1**	**1**

Question 8
Marks: 1/1
If the code fragment cannot be compiled, write **CTE** (for compile-time error). If the code fragment generates undefined behavior (see pages 65 and 163 of text), write **UDB** (for undefined behavior). Otherwise, write the values printed to standard output.

```
void foo(int *a, int s) {
  int *b = a + s;

  while (++a != b) {
    *a += *(a - 1);
  }
}

#include <stdio.h>

int main(void) {
  int g[] = { 1, 2, 3, 4, 5, 6 }, *b = g;
  int *p = g + sizeof(g)/sizeof(g[0]);

  foo(g, 3);
  foo(g + 2, 3);

  while (b != p) {
    printf("%d,", *b++);
```

```
    }

    return 0;
  }
```

Answer:

1,3,6,10,15,6

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	1,3,6,10,15,6	00:58:28 on 10/11/19	1	1
2	**Close&Grade**	**1,3,6,10,15,6**	**01:08:50 on 10/11/19**	**1**	**1**

Question 9

Marks: 1/1

Write the comma-separated 16-bit hexadecimal addresses printed to standard output by the following code fragment. Assume the compiler provides storage to object **`bart`** at address **`0x0100`**. Assume sizes of pointers and objects of basic types are similar to the computers and gcc compiler used in labs.

```
int bart, *p = &bart;

for (bart = 0; bart < 4; ++bart) {
  printf("%p,", p+bart);
}
```

Answer:

0x0100,0x0104,0x0108,0x010C,

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	0x0100,0x0104,0x0108,0x010C,	00:58:40 on 10/11/19	1	1
2	**Close&Grade**	**0x0100,0x0104,0x0108,0x010C,**	**01:08:50 on 10/11/19**	**1**	**1**

Question 10

Marks: 1/1

Given the following code fragment:

```
char str[] = "CapeOfGoodHope";
char *p = str + 5;

while (p >= str) {
  ++*p;
  --p;
}

printf("%s", str);
```

Write the sequence of characters printed to standard output by the **`printf`** statement.

Answer:

DbqfPgGoodHope

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	DbqfPgGoodHope	00:58:47 on 10/11/19	1	1
2	**Close&Grade**	**DbqfPgGoodHope**	**01:08:50 on 10/11/19**	**1**	**1**

Question 11

Marks: 1/1

Given the following code fragment:

```
#include <stdio.h>
#include <string.h>
```

```
char str[] = "DigiPen", *p;

for (p = str+strlen(str)-1; p >= str; --p) {
  ++*p;
}

printf("%s", str);
```

Write the sequence of characters printed to standard output by the **printf** statement.

Answer:

EjhjQfo

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	EjhjQfo	00:58:55 on 10/11/19	1	1
2	**Close&Grade**	**EjhjQfo**	**01:08:50 on 10/11/19**	**1**	**1**

Question 12

Marks: 1/1

Given the following definition:

```
char a[] = "Digipen";
```

consider the expression:

```
sizeof(a)
```

Write the ***value*** obtained after the evaluation of this expression.If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.

Answer:

8

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	8	00:59:03 on 10/11/19	1	1
2	**Close&Grade**	**8**	**01:08:50 on 10/11/19**	**1**	**1**

Question 13

Marks: 1/1

Given the following definition:

```
char b[] = {'D', 'i', 'g', 'i', 'p', 'e', 'n'};
```

consider the expression:

```
sizeof(b)
```

Write the ***value*** obtained after the evaluation of this expression.If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.

Answer:

7

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	7	00:59:13 on 10/11/19	1	1
2	**Close&Grade**	**7**	**01:08:50 on 10/11/19**	**1**	**1**

Question 14

Marks: 1/1

Given the following definition:

```
char c[] = {'D', 'i', 'g', '\0', 'i', 'p'};
```

consider the expression:

```
sizeof(c)
```

Write the ***value*** obtained after the evaluation of this expression.If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.

Answer:

6

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	6	00:59:21 on 10/11/19	1	1
2	**Close&Grade**	**6**	**01:08:50 on 10/11/19**	**1**	**1**

Question 15

Marks: 1/1

Given the following definition:

```
char *d = "Digipen";
```

consider the expression:

```
sizeof(d)
```

Write the ***value*** obtained after the evaluation of this expression.If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.

Answer:

8

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	8	00:59:29 on 10/11/19	1	1
2	**Close&Grade**	**8**	**01:08:50 on 10/11/19**	**1**	**1**

Question 16

Marks: 1/1

Given the following definition:

```
char a[] = "Digipen";
```

consider the expression:

```
/* strlen is a standard library function declared in <string.h> */
strlen(a)
```

Write the ***value*** obtained after the evaluation of this expression.If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.

Answer:

7

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	7	00:59:40 on 10/11/19	1	1

2	**Close&Grade**	**7**	**01:08:50 on 10/11/19**	**1**	**1**

Question 17
Marks: 1/1
Given the following definition:

```
char b[] = {'D', 'i', 'g', 'i', 'p', 'e', 'n'};
```

consider the expression:

```
/* strlen is a standard library function declared in <string.h> */
strlen(b)
```

Write the ***value*** obtained after the evaluation of this expression.If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.
Answer:

UDB

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

#	Action	Response	Time	Raw score	Grade
1	Grade	UDB	00:59:55 on 10/11/19	1	1
2	**Close&Grade**	**UDB**	**01:08:50 on 10/11/19**	**1**	**1**

Question 18
Marks: 1/1
Given the following definition:

```
char c[] = {'D', 'i', 'g', '\0', 'i', 'p'};
```

consider the expression:

```
/* strlen is a standard library function declared in <string.h> */
strlen(c)
```

Write the ***value*** obtained after the evaluation of this expression.If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.
Answer:

3

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

#	Action	Response	Time	Raw score	Grade
1	Grade	3	01:00:02 on 10/11/19	1	1
2	**Close&Grade**	**3**	**01:08:50 on 10/11/19**	**1**	**1**

Question 19
Marks: 1/1
Given the following definition:

```
char *d = "Digipen";
```

consider the expression:

```
/* strlen is a standard library function declared in <string.h> */
strlen(d)
```

Write the ***value*** obtained after the evaluation of this expression.If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.
Answer:

7

Correct

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

#	Action	Response	Time	Raw score	Grade
1	Grade	7	01:00:11 on 10/11/19	1	1
2	**Close&Grade**	**7**	**01:08:50 on 10/11/19**	**1**	**1**

Question 20
Marks: 1/1
Consider the following code fragment involving an array:

```
char str[] = "UnCopyRightAbles";
char *p = str + 5;

printf("%c,%s", (*p)++, str);
```

If the code fragment cannot be compiled, write CTE (for compile-time error). If the code fragment generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the character followed by the comma followed by the sequence of characters printed to standard output by the **`printf`** statement.
Answer:
y,UnCopzRightAbles
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	y,UnCopzRightAbles	01:00:20 on 10/11/19	1	1
2	**Close&Grade**	**y,UnCopzRightAbles**	**01:08:50 on 10/11/19**	**1**	**1**

Question 21
Marks: 1/1
Consider the following code fragment involving an array:

```
char str[] = "UnCopyRightAbles";
char *p = str + 5;

printf("%c,%s", (*p)--, str);
```

If the code fragment cannot be compiled, write CTE (for compile-time error). If the code fragment generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the character followed by the comma followed by the sequence of characters printed to standard output by the **`printf`** statement.
Answer:
y,UnCopxRightAbles
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	y,UnCopxRightAbles	01:00:30 on 10/11/19	1	1
2	**Close&Grade**	**y,UnCopxRightAbles**	**01:08:50 on 10/11/19**	**1**	**1**

Question 22
Marks: 1/1
Consider the following code fragment involving an array:

```
char str[] = "UnCopyRightAbles";
char *p = str + 8;

printf("%c,%s", *++p, str);
```

If the code fragment cannot be compiled, write CTE (for compile-time error). If the code fragment generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the character followed by the comma followed by the sequence of characters printed to standard output by the **`printf`** statement.
Answer:
h,UnCopyRightAbles
Correct
Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	h,UnCopyRightAbles	01:00:39 on 10/11/19	1	1
2	**Close&Grade**	**h,UnCopyRightAbles**	**01:08:50 on 10/11/19**	**1**	**1**

Question 23
Marks: 1/1
Consider the following code fragment involving an array:

```
char str[] = "UnCopyRightAbles";
char *p = str + sizeof(str) - 1;

printf("%c,%s", *--p, str);
```

If the code fragment cannot be compiled, write CTE (for compile-time error). If the code fragment generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the character followed by the comma followed by the sequence of characters printed to standard output by the **`printf`** statement.
Answer:
s,UnCopyRightAbles
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	s,UnCopyRightAbles	01:00:48 on 10/11/19	1	1
2	**Close&Grade**	**s,UnCopyRightAbles**	**01:08:50 on 10/11/19**	**1**	**1**

Question 24
Marks: 1/1
Consider the following code fragment involving an array:

```
char str[] = "UnCopyRightAbles";
char *p = str + 5;

printf("%c,%s", *p++, str);
```

If the code fragment cannot be compiled, write CTE (for compile-time error). If the code fragment generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the character followed by the comma followed by the sequence of characters printed to standard output by the **`printf`** statement.
Answer:
y,UnCopyRightAbles
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	y,UnCopyRightAbles	01:00:56 on 10/11/19	1	1
2	**Close&Grade**	**y,UnCopyRightAbles**	**01:08:50 on 10/11/19**	**1**	**1**

Question 25
Marks: 1/1
Consider the following code fragment involving an array:

```
char str[] = "UnCopyRightAbles";
char *p = str + sizeof(str) - 6;

printf("%c,%s", *p--, str);
```

If the code fragment cannot be compiled, write CTE (for compile-time error). If the code fragment generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the character followed by the comma followed by the sequence of characters printed to standard output by the **`printf`** statement.
Answer:
A,UnCopyRightAbles
Correct
Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	A,UnCopyRightAbles	01:01:04 on 10/11/19	1	1
2	**Close&Grade**	**A,UnCopyRightAbles**	**01:08:50 on 10/11/19**	**1**	**1**

Question 26
Marks: 1/1
Consider the following code fragment involving an array:

```
char str[] = "UnCopyRightAbles";
char *p = str + sizeof(str) - 2;

printf("%c,%s", ++*p, str);
```

If the code fragment cannot be compiled, write CTE (for compile-time error). If the code fragment generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the character followed by the comma followed by the sequence of characters printed to standard output by the **`printf`** statement.
Answer:
t,UnCopyRightAblet
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	t,UnCopyRightAblet	01:01:11 on 10/11/19	1	1
2	**Close&Grade**	**t,UnCopyRightAblet**	**01:08:50 on 10/11/19**	**1**	**1**

Question 27
Marks: 1/1
Consider the following code fragment involving a character array:

```
char str[] = "UnCopyRightAbles";
char *p = str + 5;

printf("%c,%s", --*p, str);
```

If the code fragment cannot be compiled, write CTE (for compile-time error). If the code fragment generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the character followed by the comma followed by the sequence of characters printed to standard output by the **`printf`** statement.
Answer:
x,UnCopxRightAbles
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	x,UnCopxRightAbles	01:01:19 on 10/11/19	1	1
2	**Close&Grade**	**x,UnCopxRightAbles**	**01:08:50 on 10/11/19**	**1**	**1**

Question 28
Marks: 1/1
Given the definitions

```
int array[1000];
int *pa;
```

is the following assignment statement valid?

```
pa = array;
```

Answer:
◉ True ○ False
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade

1	Grade	True	01:01:27 on 10/11/19	1	1
2	**Close&Grade**	**True**	**01:08:50 on 10/11/19**	**1**	**1**

Question 29
Marks: 1/1
Given the following definitions:

```
int a[] = { 5, 8, 3, 2, 1, 9, 0, 4, 7, 6 };
int *p = a + 2;
```

consider the expression:

```
p
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object **a** and variable **p** at memory addresses **100** and **200**, respectively. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.
Answer:
108
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	108	01:01:37 on 10/11/19	1	1
2	**Close&Grade**	**108**	**01:08:50 on 10/11/19**	**1**	**1**

Question 30
Marks: 1/1
Given the following definitions:

```
int a[] = { 5, 8, 3, 2, 1, 9, 0, 4, 7, 6 };
int *p = a + 2;
```

consider the expression:

```
p[2]
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object **a** and variable **p** at memory addresses **100** and **200**, respectively. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.
Answer:
1
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	1	01:01:49 on 10/11/19	1	1
2	**Close&Grade**	**1**	**01:08:50 on 10/11/19**	**1**	**1**

Question 31
Marks: 1/1
Given the following definitions:

```
int a[] = { 5, 8, 3, 2, 1, 9, 0, 4, 7, 6 };
int *p = a + 2;
```

consider the expression:

```
p + 3
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object **a** and variable **p** at memory addresses **100** and **200**, respectively. If the expression cannot be compiled, write CTE (for

compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.

Answer:

120

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	120	01:02:01 on 10/11/19	1	1
2	**Close&Grade**	**120**	**01:08:50 on 10/11/19**	**1**	**1**

Question 32

Marks: 1/1

Given the following definitions:

```
int a[] = { 5, 8, 3, 2, 1, 9, 0, 4, 7, 6 };
int *p = a + 2;
```

consider the expression:

```
*p
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object **a** and variable **p** at memory addresses **100** and **200**, respectively. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.

Answer:

3

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	3	01:02:11 on 10/11/19	1	1
2	**Close&Grade**	**3**	**01:08:50 on 10/11/19**	**1**	**1**

Question 33

Marks: 1/1

Given the following definitions:

```
int a[] = { 5, 8, 3, 2, 1, 9, 0, 4, 7, 6 };
int *p = a + 2;
```

consider the expression:

```
5[p]
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object **a** and variable **p** at memory addresses **100** and **200**, respectively. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.

Answer:

4

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	4	01:02:25 on 10/11/19	1	1
2	**Close&Grade**	**4**	**01:08:50 on 10/11/19**	**1**	**1**

Question 34

Marks: 1/1

Given the following definitions:

```
int a[] = { 5, 8, 3, 2, 1, 9, 0, 4, 7, 6 };
```

```
int *p = a + 2;
```

consider the expression:

```
&p
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object **a** and variable **p** at memory addresses **100** and **200**, respectively. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.

Answer:

200

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	200	01:02:36 on 10/11/19	1	1
2	**Close&Grade**	**200**	**01:08:50 on 10/11/19**	**1**	**1**

Question 35

Marks: 1/1

Given the following definitions:

```
int a[] = { 5, 8, 3, 2, 1, 9, 0, 4, 7, 6 };
int *p = a + 2;
```

consider the expression:

```
p[-2]
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object **a** and variable **p** at memory addresses **100** and **200**, respectively. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.

Answer:

5

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	5	01:02:45 on 10/11/19	1	1
2	**Close&Grade**	**5**	**01:08:50 on 10/11/19**	**1**	**1**

Question 36

Marks: 1/1

Given the following definitions:

```
int a[] = { 5, 8, 3, 2, 1, 9, 0, 4, 7, 6 };
int *p = a + 2;
```

consider the expression:

```
*p + 5
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object **a** and variable **p** at memory addresses **100** and **200**, respectively. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.

Answer:

8

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade

1	Grade	8	01:02:59 on 10/11/19	1	1
2	**Close&Grade**	**8**	**01:08:50 on 10/11/19**	**1**	**1**

Question 37
Marks: 1/1
Given the following definitions:

```
int a[] = { 5, 8, 3, 2, 1, 9, 0, 4, 7, 6 };
int *p = a + 2;
```

consider the expression:

```
3[p]
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object`a` and variable `p` at memory addresses **100** and **200**, respectively. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.
Answer:

9

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

#	Action	Response	Time	Raw score	Grade
1	Grade	9	01:03:13 on 10/11/19	1	1
2	**Close&Grade**	**9**	**01:08:50 on 10/11/19**	**1**	**1**

Question 38
Marks: 1/1
Given the following definitions:

```
int a[] = { 5, 8, 3, 2, 1, 9, 0, 4, 7, 6 };
int *p = a + 2;
```

consider the expression:

```
-3[p]
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object`a` and variable `p` at memory addresses **100** and **200**, respectively. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.
Answer:

-9

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

#	Action	Response	Time	Raw score	Grade
1	Grade	-9	01:03:23 on 10/11/19	1	1
2	**Close&Grade**	**-9**	**01:08:50 on 10/11/19**	**1**	**1**

Question 39
Marks: 1/1
Given the following definitions:

```
int a[] = { 5, 8, 3, 2, 1, 9, 0, 4, 7, 6 };
int *p = a + 5;
```

consider the expression:

```
p[-3]
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object`a` and variable `p` at memory addresses **100** and **200**, respectively. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for

undefined behavior). Otherwise, write the appropriate value.
Answer:
3
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	3	01:03:36 on 10/11/19	1	1
2	**Close&Grade**	**3**	**01:08:50 on 10/11/19**	**1**	**1**

Question 40
Marks: 1/1
Given the following definitions:

```
int a[] = { 5, 8, 3, 2, 1, 9, 0, 4, 7, 6 };
int *p = a + sizeof(a)/sizeof(a[0]);
```

consider the expression:

```
-p[-3]
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object**a** and variable **p** at memory addresses **100** and **200**, respectively. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.
Answer:
-4
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	-4	01:03:45 on 10/11/19	1	1
2	**Close&Grade**	**-4**	**01:08:50 on 10/11/19**	**1**	**1**

Question 41
Marks: 1/1
Given the following definitions:

```
int a[] = { 5, 8, 3, 2, 1, 9, 0, 4, 7, 6 };
int *p = a + 2;
```

consider the expression:

```
*p[1]
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object**a** and variable **p** at memory addresses **100** and **200**, respectively. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.
Answer:
CTE
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	CTE	01:03:56 on 10/11/19	1	1
2	**Close&Grade**	**CTE**	**01:08:50 on 10/11/19**	**1**	**1**

Question 42
Marks: 1/1
Given the following definitions:

```
int a[] = { 5, 8, 3, 2, 1, 9, 0, 4, 7, 6 };
int *p = a + 2;
```

consider the expression:

```
&p[4]
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object **a** and variable **p** at memory addresses **100** and **200**, respectively. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.

Answer:

124

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	124	01:04:06 on 10/11/19	1	1
2	**Close&Grade**	**124**	**01:08:50 on 10/11/19**	**1**	**1**

Question 43

Marks: 1/1

Given the following definitions:

```
int a[] = { 5, 8, 3, 2, 1, 9, 0, 4, 7, 6 };
int *p = a + 2;
```

consider the expression:

```
*(p + 6)
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object **a** and variable **p** at memory addresses **100** and **200**, respectively. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.

Answer:

7

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	7	01:04:19 on 10/11/19	1	1
2	**Close&Grade**	**7**	**01:08:50 on 10/11/19**	**1**	**1**

Question 44

Marks: 1/1

Given the following definitions:

```
int a[] = { 5, 8, 3, 2, 1, 9, 0, 4, 7, 6 };
int *p = a + 2;
```

consider the expression:

```
*p++
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object **a** and variable **p** at memory addresses **100** and **200**, respectively. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.

Answer:

3

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade

1	Grade	3	01:04:28 on 10/11/19	1	1
2	**Close&Grade**	**3**	**01:08:50 on 10/11/19**	**1**	**1**

Question 45
Marks: 1/1
Given the following definitions:

```
int a[] = { 5, 8, 3, 2, 1, 9, 0, 4, 7, 6 };
int *p = a + 2;
```

consider the expression:

```
(*p)++
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object**a** and variable **p** at memory addresses **100** and **200**, respectively. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.
Answer:
3
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	3	01:04:36 on 10/11/19	1	1
2	**Close&Grade**	**3**	**01:08:50 on 10/11/19**	**1**	**1**

Question 46
Marks: 1/1
Given the following definitions:

```
int a[] = { 5, 8, 3, 2, 1, 9, 0, 4, 7, 6 };
int *p = a + 2;
```

consider the expression:

```
*++p
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object**a** and variable **p** at memory addresses **100** and **200**, respectively. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.
Answer:
2
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	2	01:04:45 on 10/11/19	1	1
2	**Close&Grade**	**2**	**01:08:50 on 10/11/19**	**1**	**1**

Question 47
Marks: 1/1
Given the following definitions:

```
int a[] = { 5, 8, 3, 2, 1, 9, 0, 4, 7, 6 };
int *p = a + 2;
```

consider the expression:

```
++*p++
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object**a** and variable **p** at memory addresses **100** and **200**, respectively. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for

undefined behavior). Otherwise, write the appropriate value.
Answer:
4
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	4	01:05:02 on 10/11/19	1	1
2	**Close&Grade**	**4**	**01:08:50 on 10/11/19**	**1**	**1**

Question 48
Marks: 1/1
Given the following definitions:

```
int a[] = { 5, 8, 3, 2, 1, 9, 0, 4, 7, 6 };
int *p = a + 2;
```

consider the expression:

```
(*++p)++
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object**a** and variable **p** at memory addresses **100** and **200**, respectively. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.
Answer:
2
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	2	01:05:11 on 10/11/19	1	1
2	**Close&Grade**	**2**	**01:08:50 on 10/11/19**	**1**	**1**

Question 49
Marks: 1/1
Given the following definitions:

```
int a[] = { 5, 8, 3, 2, 1, 9, 0, 4, 7, 6 };
int *p = a + 2;
```

consider the expression:

```
*(p+*(p+4))
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object**a** and variable **p** at memory addresses **100** and **200**, respectively. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.
Answer:
3
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	3	01:05:23 on 10/11/19	1	1
2	**Close&Grade**	**3**	**01:08:50 on 10/11/19**	**1**	**1**

Question 50
Marks: 1/1
Given the following definitions:

```
int a[] = { 5, 8, 3, 2, 1, 9, 0, 4, 7, 6 };
int *p = a + 2;
```

consider the expression:

```
p+a[3]
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object**a** and variable **p** at memory addresses **100** and **200**, respectively. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.

Answer:

116

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	116	01:05:34 on 10/11/19	1	1
2	**Close&Grade**	**116**	**01:08:50 on 10/11/19**	**1**	**1**

Question 51

Marks: 1/1

Given the following definitions:

```
int a[] = { 5, 8, 3, 2, 1, 9, 0, 4, 7, 6 };
int *p = a + 2;
```

consider the expression:

```
*(p+a[3])
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object**a** and variable **p** at memory addresses **100** and **200**, respectively. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.

Answer:

1

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	1	01:05:41 on 10/11/19	1	1
2	**Close&Grade**	**1**	**01:08:50 on 10/11/19**	**1**	**1**

Question 52

Marks: 1/1

Given the following definitions:

```
int a[] = { 5, 8, 3, 2, 1, 9, 0, 4, 7, 6 };
int *p = a + 2;
```

consider the expression:

```
*p+a[3]
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object**a** and variable **p** at memory addresses **100** and **200**, respectively. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.

Answer:

5

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade

1	Grade	5	01:05:50 on 10/11/19	1	1
2	**Close&Grade**	**5**	**01:08:50 on 10/11/19**	**1**	**1**

Question 53
Marks: 1/1
Given the following definitions

```
int x, *y = &x;
```

the following expression

```
x**y*x+*y
```

contains _____ tokens.
Answer:
9
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	9	01:06:10 on 10/11/19	1	1
2	**Close&Grade**	**9**	**01:08:50 on 10/11/19**	**1**	**1**

Question 54
Marks: 1/1
What is the exact output written to standard output by the following code fragment?

```
int x;
int *y = &x;

x = 10;
printf("%i", x**y*x+*y);
```

Answer:
1010
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	1010	01:06:19 on 10/11/19	1	1
2	**Close&Grade**	**1010**	**01:08:50 on 10/11/19**	**1**	**1**

Question 55
Marks: 1/1
Given the following definitions:

```
short array[] = { 3, 6, 2, 4, 7, 8 };
short *p1 = array + 1;
short *p5 = array + 5;
```

consider the expression:

```
p5 - p1
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object **`array`** at address **1000**. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.
Answer:
4
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade

1	Grade	4	01:06:29 on 10/11/19	1	1
2	**Close&Grade**	**4**	**01:08:50 on 10/11/19**	**1**	**1**

Question 56
Marks: 1/1
Given the following definitions:

```
short array[] = { 3, 6, 2, 4, 7, 8 };
short *p1 = array + 1;
short *p5 = array + 5;
```

consider the expression:

```
p1 - p5
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object **`array`** at address **1000**. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.
Answer:
-4
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	-4	01:06:38 on 10/11/19	1	1
2	**Close&Grade**	**-4**	**01:08:50 on 10/11/19**	**1**	**1**

Question 57
Marks: 1/1
Given the following definitions:

```
short array[] = { 3, 6, 2, 4, 7, 8 };
short *p1 = array + 1;
short *p3 = array + 3;
short *p5 = array + 5;
```

consider the expression:

```
p1 - p3 + p5
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object **`array`** at address **1000**. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.
Answer:
1006
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	1006	01:06:46 on 10/11/19	1	1
2	**Close&Grade**	**1006**	**01:08:50 on 10/11/19**	**1**	**1**

Question 58
Marks: 1/1
Given the following definitions:

```
short array[] = { 3, 6, 2, 4, 7, 8 };
short *p1 = array + 1;
short *p3 = array + 3;
short *p5 = array + 5;
```

consider the expression:

```
p1 - (p3 - p5)
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object **`array`** at address **1000**. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.

Answer:

1006

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	1006	01:06:54 on 10/11/19	1	1
2	**Close&Grade**	**1006**	**01:08:50 on 10/11/19**	**1**	**1**

Question 59

Marks: 1/1

Given the following definitions:

```
short array[] = { 3, 6, 2, 4, 7, 8 };
short *p1 = array + 1;
short *p3 = array + 3;
short *p5 = array + 5;
```

consider the expression:

```
p1 - p3 - p5
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object **`array`** at address **1000**. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.

Answer:

CTE

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	CTE	01:07:05 on 10/11/19	1	1
2	**Close&Grade**	**CTE**	**01:08:50 on 10/11/19**	**1**	**1**

Question 60

Marks: 1/1

Given the following definitions:

```
short array[] = { 3, 6, 2, 4, 7, 8 };
short *p1 = array + 1;
short *p5 = array + 5;
```

consider the expression:

```
p5 - 2 - p1
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object **`array`** at address **1000**. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.

Answer:

2

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade

1	Grade	2	01:07:14 on 10/11/19	1	1
2	**Close&Grade**	**2**	**01:08:50 on 10/11/19**	**1**	**1**

Question 61
Marks: 1/1
Given the following definitions:

```
short array[] = { 3, 6, 2, 4, 7, 8 };
short *p1 = array + 1;
short *p3 = array + 3;
short *p5 = array + 5;
```

consider the expression:

```
p1 += p5 - p3
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object **`array`** at address **1000**. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.
Answer:
1006
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	1006	01:07:23 on 10/11/19	1	1
2	**Close&Grade**	**1006**	**01:08:50 on 10/11/19**	**1**	**1**

Question 62
Marks: 1/1
Given the following definitions:

```
short array[] = { 3, 6, 2, 4, 7, 8 };
short *p1 = array + 1;
short *p3 = array + 3;
short *p5 = array + 5;
```

consider the expression:

```
p1 -= p5 - p3
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object **`array`** at address **1000**. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.
Answer:
998
Correct
Marks for this submission: 1/1.
History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	998	01:07:32 on 10/11/19	1	1
2	**Close&Grade**	**998**	**01:08:50 on 10/11/19**	**1**	**1**

Question 63
Marks: 1/1
Given the following definitions:

```
short array[] = { 3, 6, 2, 4, 7, 8 };
short *p1 = array + 1;
short *p5 = array + 5;
```

consider the expression:

```
p1 = p5 - 3
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object **`array`** at address **1000**. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.

Answer:

1004

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	1004	01:07:40 on 10/11/19	1	1
2	**Close&Grade**	**1004**	**01:08:50 on 10/11/19**	**1**	**1**

Question 64

Marks: 1/1

Given the following definitions:

```
short array[] = { 3, 6, 2, 4, 7, 8 };
short *p1 = array + 1;
short *p5 = array + 5;
```

consider the expression:

```
p5 + p1
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object **`array`** at address **1000**. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.

Answer:

CTE

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	CTE	01:07:48 on 10/11/19	1	1
2	**Close&Grade**	**CTE**	**01:08:50 on 10/11/19**	**1**	**1**

Question 65

Marks: 1/1

Given the following definitions:

```
short array[] = { 3, 6, 2, 4, 7, 8 };
short *p1 = array + 1;
short *p5 = array + 5;
```

consider the expression:

```
p5 - --p1
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object **`array`** at address **1000**. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.

Answer:

5

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	5	01:07:56 on 10/11/19	1	1

2	**Close&Grade**	**5**	**01:08:50 on 10/11/19**	**1**	**1**

Question 66
Marks: 1/1
Given the following definitions:

```
short array[] = { 3, 6, 2, 4, 7, 8 };
short *p1 = array + 1;
short *p5 = array + 5;
```

consider the expression:

```
p5 - p1--
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object **`array`** at address **1000**. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.
Answer:

4

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

#	Action	Response	Time	Raw score	Grade
1	Grade	4	01:08:05 on 10/11/19	1	1
2	**Close&Grade**	**4**	**01:08:50 on 10/11/19**	**1**	**1**

Question 67
Marks: 1/1
Given the following definitions:

```
short array[] = { 3, 6, 2, 4, 7, 8 };
short *p3 = array + 3;
```

consider the expression:

```
p3+2 = &array[2]
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object **`array`** at address **1000**. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.
Answer:

CTE

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

#	Action	Response	Time	Raw score	Grade
1	Grade	CTE	01:08:14 on 10/11/19	1	1
2	**Close&Grade**	**CTE**	**01:08:50 on 10/11/19**	**1**	**1**

Question 68
Marks: 1/1
Given the following definitions:

```
short array[] = { 3, 6, 2, 4, 7, 8 };
short *p3 = array + 3;
```

consider the expression:

```
*(p3+2) = 6
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object **`array`** at address **1000**. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.

Answer:

6

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	6	01:08:23 on 10/11/19	1	1
2	**Close&Grade**	**6**	**01:08:50 on 10/11/19**	**1**	**1**

Question 69

Marks: 1/1

Given the following definitions:

```
short array[] = { 3, 6, 2, 4, 7, 8 };
short *p3 = array + 3;
```

consider the expression:

```
*(p3++) = 5
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object **`array`** at address **1000**. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.

Answer:

5

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	5	01:08:33 on 10/11/19	1	1
2	**Close&Grade**	**5**	**01:08:50 on 10/11/19**	**1**	**1**

Question 70

Marks: 1/1

Given the following definitions:

```
short array[] = { 3, 6, 2, 4, 7, 8 };
short *p3 = array + 3;
```

consider the expression:

```
*--p3 = 2
```

Write the ***value*** obtained after the evaluation of this expression.Assume that the compiler assigns storage for array object **`array`** at address **1000**. If the expression cannot be compiled, write CTE (for compile-time error). If the expression generates undefined behavior (see pages 65 and 163 of text), write UDB (for undefined behavior). Otherwise, write the appropriate value.

Answer:

2

Correct

Marks for this submission: 1/1.

History of Responses:

#	Action	Response	Time	Raw score	Grade
1	Grade	2	01:08:42 on 10/11/19	1	1
2	**Close&Grade**	**2**	**01:08:50 on 10/11/19**	**1**	**1**

Finish review

- Section 508 Check
- WCAG 1 (2,3) Check