

SIT102 – Introduction to Programming

Answers for 5.1P: Responses to Test 1

Student Name: yizheng he

Student ID: 221411294

Test 1 questions are released online via Unit Site >> Assessment >> Quizzes >> Test 1 (Week 5 PASS tasks) since week 5. Make sure you have read the tasksheet 5.1P carefully for all details e.g. test duration, question types, and the code writing question sample.

This answer sheet requires you to provide the following work:

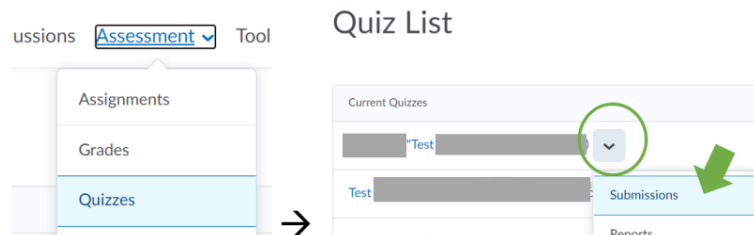
- A. The **screenshot** of the auto-marked score of your Test 1 **with your name and username on it**
- The matching and MC questions will be automatically marked by unit site tool, and you can get back the score, questions and your responses via Unit Site >> Assessment >> Quizzes. Click the downward arrow next to Test 1 and choose Submissions.
 - If needed – more 90 mins were spent on Test 1, a reflection with 50-100 words.
- B. Your **revision** (revised answer after your self-review) of **each question with any sub-part** that you haven't scored their mark in the auto-mark section
- as a form of the self-review on your own work with a fix by you.
 - If you attain 100% score, you don't have to do any revision for this part.
- C. The **screenshot** of the hand execution **questions** that was assigned to you.
- The hand execution data set is assigned by the unit site quiz tool. We need your help in providing the screenshot of your hand execution **questions version** to us so that we could mark your hand execution process.
- D. Your **hand execution process** answers
- **If** you get the **hand execution process related questions correct** in your auto-marked result, directly provide your work-out that has been finished during the Test time to the answer sheet. Your tutor will review it.
 - **Else**, provide your **revised hand execution process** into the answer sheet. Your tutor will review your revision.

***** Make sure you have also submitted your audio comment (one of the 5.1P Pass task requirements) to OnTrack comment box**

After that, save this answer sheet with your answers as a pdf file and upload it to OnTrack 5.1P. This PDF will be the first item asked by OnTrack when you switch your task status to "Ready for Feedback".

A. The Screenshot of the Auto-marked Score of your Test 1 *with your name and username on it*

Guideline 1/2: The score for auto-mark sections will be available in unit site >> Assessment >> Quizzes. Click the downward arrow next to Test 1 and select Submissions.



Guideline 2/2: Then, you can reach this the following page with your auto-marked score of your Test 1.

Quiz Submissions - Test [redacted]

▼

.Demo _Student (username: aaaaaademo)

Individual Attempts	Score
Attempt 1	3 / 3 - 100 %
Overall Grade (highest attempt):	3 / 3 - 100 %

Sample for your reference

Screenshot your auto-marked score and paste it in the following box:

Quiz Submissions - Test 1 (Week 5 PASS task)

YIZHENG HE (username: heyiz)

Attempt 1

Written: 13 April, 2022 2:23 PM - 13 April, 2022 3:45 PM

Submission View

Released: 23 July, 2018 5:16 PM

Quiz Submissions - Test 1 (Week 5 PASS task) ▼

Add to ePortfolio

YIZHENG HE (username: heyiz)

Individual Attempts	Grade
Attempt 1	19 / 20 - 95 %
Overall Grade (highest attempt):	19 / 20 - 95 %

Question: **If** your Test 1 unit site submission has been marked as late by the unit site quiz system, give your reflective writing here in 50 - 100 words to address it regarding:

- how much extra time than the expected 90 mins have you spent in the unit site Test 1? and
- which questions and topics took most of your time in the test, why is it so?

If you have finished and submitted your Test 1 to the unit site in the timed 90 mins, you don't have to deliver this reflection – just leave this answer box blank.

B. Your revision (revised answer after your self-review) of each question that you haven't scored a mark in the auto-mark section

- If you attain 100% score, you don't have to do any revision for this part – Just leave it blank.

Revised answer(s) for the question(s) and sub-part(s) that you haven't scored their mark in the auto-mark section

For example, if you scored 4/6 for a matching question, you have to self-review your own responses and provide your revision for the two missed sub-parts. Your tutor will review your revisions

Question 7 0 / 1 poin

Question: Hand execute the data flow for **ALL** available variables based on the following code on your paper/ drawing software, **and** then submit the **final value** of the variable *balance* when the given codes have been executed, to the answer box provided. *System auto-marking will be applied to the numerical answer in this question.*

After this timed Test 1, your hand execution process/drawing answer is required to submit to OnTrack task 5.1P for tutor's review. Remember to keep your hand execution drawing(s).

Hint: $x++$ is equivalent to $x=x+1$.

```
int count;
int balance , deposit;

count = 0;
balance = 350;
deposit = 200;

while ( count < 4 )
{
    balance = balance + deposit;
    count++;
}
```

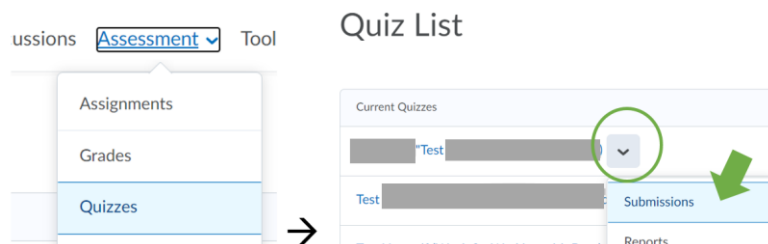
Answer:

550

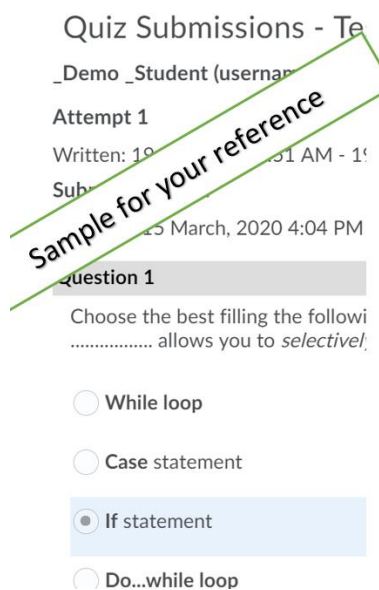
I didn't understand the meaning of $\text{count} < 4$ before I did this question. I understood until $\text{count} > 4$, $b = b + (b + (b + d))$ like this. Later I looked up the question and answer help and the web, and it turns out that when c is less than 4 it keeps looping, and then c and b keep changing. Add until $\text{count} \geq 4$ or $\text{count} = 4$, stop and output b

C. The Screenshot of Hand Execution Questions assigned to you

Guideline 1/2: Go to unit site >> Assessment >> Quizzes again. Click the downward arrow next to this Test 1 and choose Submissions.



Guideline 2/2: Click Attempt 1 to get back your questions and responses record.



Screenshot(s) of your Hand Execution Questions assigned to you

Question 5

1 / 1 point

Question: Hand execute the data flow for **ALL** available variables based on the given code extract on your paper/drawing software, **and** then submit the **final value** of the variable **fruit** at the end of the code to the answer box provided. *System auto-marking will be applied to the numerical answer in this question.*

After this timed Test 1, your hand execution process/drawing answer is required to submit to OnTrack task 5.1P for tutor's review. Remember to keep your hand execution drawing(s).

```
int bananas, apples;
int fruit;

bananas = 6;
apples = 11;
fruit = bananas + apples;
bananas = 6;
apples = 13;
```

Answer:

17

Question 6**1 / 1 point**

Question: Hand execute the data flow for ALL available variables based on the given code extract on your paper/drawing software, **and** then submit the **final value** of variable *d* to the answer box provided below. *System auto-marking will be applied to the numerical answer in this question.*

After this timed Test 1, your hand execution process/drawing answer is required to submit to OnTrack task 5.1P for tutor's review. Remember to keep your hand execution drawing(s).

```
int a, b, c, d;  
  
a = 6;  
b = 3;  
c = 10;  
d = 1;  
  
if (a < c)  
{  
    if(a < b)  
    {  
        d = d + b - a;  
    }  
    else  
    {  
        d = d + a - b;  
    }  
}  
else  
{  
    d = d + a + b;  
}
```

Answer:

4

Question 7**0 / 1 point**

Question: Hand execute the data flow for ALL available variables based on the following code on your paper/ drawing software, **and** then submit the **final value** of the variable *balance* when the given codes have been executed, to the answer box provided. *System auto-marking will be applied to the numerical answer in this question.*

After this timed Test 1, your hand execution process/drawing answer is required to submit to OnTrack task 5.1P for tutor's review. Remember to keep your hand execution drawing(s).

Hint: $x++$ is equivalent to $x=x+1$.

```
int count;  
int balance , deposit;  
  
count = 0;  
balance = 350;  
deposit = 200;  
  
while ( count < 4 )  
{  
    balance = balance + deposit;  
    count++;  
}
```

Answer:

550

Paste Q5, Q6, Q7 Hand Execution Questions HERE

It is fine to get all in one screenshot but make sure the data is clearly shown. Your tutor has to read the values.

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D. Your answer for Hand Execution Process

1. **If** you get the hand execution process related questions **correct** in your auto-marked result, directly provide your work-out that has been finished during the Test time to the answer sheet. Your tutor will review it.
2. **Else**, provide your revised hand execution process into the answer sheet. Your tutor will review your revision.

Image(s)/drawing(s) of your answers for the hand execution process

Q5

Bananas | 6 6 |

Apples | 11 13 |

Fruit | 17 |

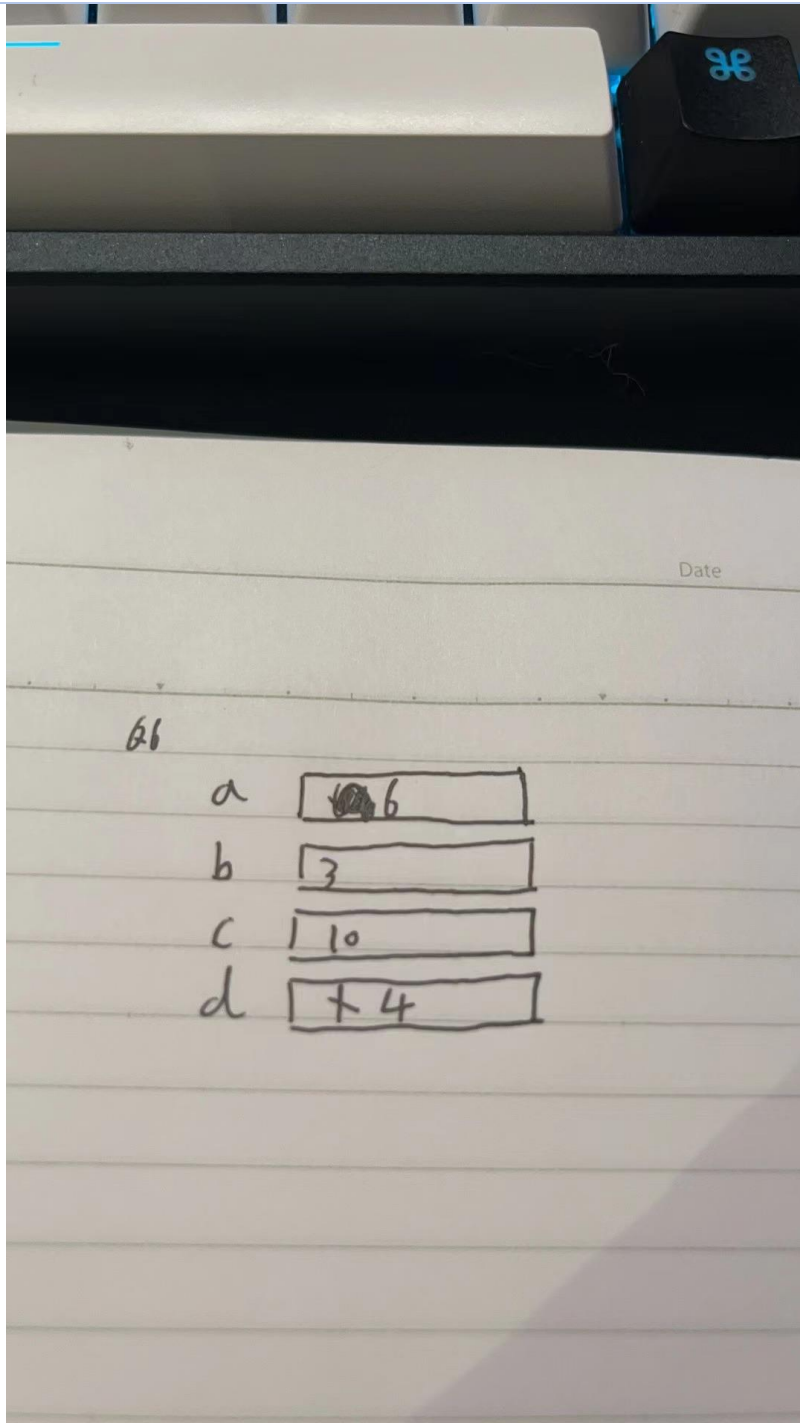
Q7

Count

| 0 1 2 3 4 |

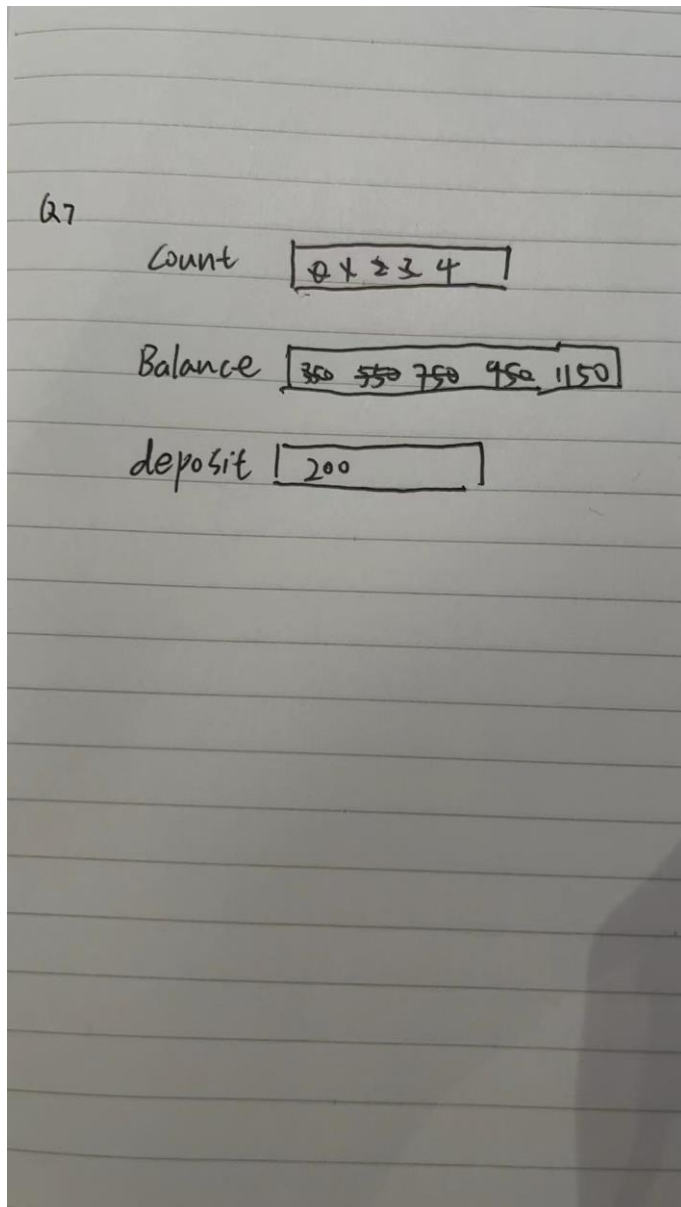
Paste your Q5 Hand Execution process HERE

Remember to make sure you have reviewed and revised your hand execute process if you haven't attained its auto-marked-score.



Paste your Q6 Hand Execution process HERE

Remember to make sure you have reviewed and revised your hand execute process if you haven't attained its auto-marked-score.



Paste your Q7 Hand Execution process HERE

Remember to make sure you have reviewed and revised your hand execute process if you haven't attained its auto-marked-score.

- End of 5.1P answer sheet -