

Assignment 1

5 marks total

This is an assignment.

Question 1

1 mark

Question text goes here

Answer

Information for marking

```
Can have text in texinfo blocks
```

```
echo "Or code in bash blocks"
```

Question 2

2 marks

Another question

Answer

Answer info

Question 3

2 marks

A question with an image:

```
1  I C F * H N C V H * Q P Q T D T M V H L
1  H L L L T Q L C S L A T S N R H H G A S
1  T F A S D T T V F T S N L K Q T P W C I
1  ACATTTGCTTCTGACACAAGTGTGTTCACTAGCAACCTCAAACAGACACCATGGTGCATC
1      10      20      30      40      50
1  TGTAAACGAAGACTGTGTTGACACAAGTGATCGTTGGAGTTTGTCTGTGGTACCACGTAG
21  T P E E K S A V T A L W G K V N V D E V
21  D S * G E V C R Y C P V G Q G E R G * S
21  * L L R R S L P L L P C G A R * T W M K
61  TGACTCCTGAGGAGAAGTCTGCCGTTACTGCCCTGTGGGGCAAGGTGAACGTGGATGAAG
61      70      80      90      100     110
61  ACTGAGGACTCCTCTTCAGACGGCAATGACGGGACACCCCGTTCCACTTGCACCTACTTC
```


Figure 1: An image

Answer

```
Can have text in texinfo blocks
```

```
echo "Or code in bash blocks"
```

Assignment 1



National Library of Medicine
National Center for Biotechnology Information

Log in

[< ORFfinder submitting page](#)[Help >](#)

Open Reading Frame Viewer

Sequence

ORFs found: 4 Genetic code: 1 Start codon: 'ATG' only

Find:

Tools

Tracks

(U) ORFfinder 8.2.141940414

ORF3

ORF1

ORF2

ORF4

1: 1..628 (628 nt)

Tracks shown: 2/3

ORF3 (147 aa) [Display ORF as...](#) [Mark](#)

>lcl|ORF3
MVHLTPEEKSAVTALMGKVNVDVCGEALGRLLVVPWTORFFESFGDLS
TPDAVMGNPKVKAHGKVLGAFSDGLAHLNLTGTFATLSELHCDKLPVD
PENFRLLGNVLVCVLAHHFGKEFTPPVQAAQYQKVAGVANALAHKYH

ORF3
[SmartBLAST](#)
[BLAST](#)

Marked set (0)
[SmartBLAST best hit titles...](#)
[BLAST](#)

BLAST Database:
[UniProtKB/Swiss-Prot \(swissprot\)](#)

Mark subset... Marked: 0 [Download marked set](#) as [Protein FASTA](#)

Label	Strand	Frame	Start	Stop	Length (nt aa)
ORF3	+	3	51	494	444 147
ORF4	-	3	401	>3	399 132
ORF1	+	1	115	234	120 39
ORF2	+	1	241	318	78 25

Six-frame translation...

Figure 2: An image