Načini debagovanja u programskom jeziku Python

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Uvod

- Greške pri programiranju se svima dešavaju
- Debagovanje je proces nalaženje i otklanjanje grešaka u programu.
- Ono podrazumeva sledeće:
 - 1 Znamo kako program treba da radi
 - Opažamo da je do baga došlo
 - Pronalazimo bag
 - Uklanjamo bag

Izuzeci u Pyyhon-u

```
def student(name):
    students = {
        'Pera': '107/2016',
        'Mika': '16/2016'
        'Laza': '252/2015'
}
    print('Index of student Pera is ' + studenti[name])
student('Pera')
```

```
File "primer.py", line 5
   'Laza': '252/2015'
   '
SyntaxError: invalid syntax
```

Izuzeci u Pyyhon-u

Kada u programu postoji sintaksna greška prevodilac izbacuje izuzetak i ispisuje **poruku o grešci**. Ona sadrži:

- Poruka o grešci
- Tip greške
- Traceback

Neki izuzeci se ne mogu izbeći, takve izuzetke hvatamo korišćenjem **try** i **except** blok.

Naš program se prevede ali ne dobijamo željeni rezultat takvu grešsku nazivamo **Semantička greška**.

Debagovanje naučnom metodom

Debagovanje print metodom

Uvod

Uvod

Paragraphs of Text

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Bullet Points

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- Aliquam blandit faucibus nisi, sit amet dapibus enim tempus eu
- Nulla commodo, erat quis gravida posuere, elit lacus lobortis est, quis porttitor odio mauris at libero
- Nam cursus est eget velit posuere pellentesque
- Vestibulum faucibus velit a augue condimentum quis convallis nulla gravida

Blocks of Highlighted Text

Block 1

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Block 2

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Block 3

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Multiple Columns

Heading

- Statement
- 2 Explanation
- Second Example
 Second Example

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Table

Treatments	Response 1	Response 2
Treatment 1	0.0003262	0.562
Treatment 2	0.0015681	0.910
Treatment 3	0.0009271	0.296

Table: Table caption

Theorem

Theorem (Mass-energy equivalence)

$$E = mc^2$$

Primer

Majin primer

```
my_list = [1,9,13,3,12]
new_list = list(map(lambda x: x*2,my_list))

def sub(a,b):
    print(a)
    return a-b

diff = sub(40,2)
my_list_sum = sum(my_list)
experiment = sum(new_list) / sub(diff,my_list_sum)
```

Figure

Uncomment the code on this slide to include your own image from the same directory as the template .TeX file.

Citation

An example of the \cite command to cite within the presentation:

This statement requires citation [Smith, 2012].

References



John Smith (2012)
Title of the publication

Journal Name 12(3), 45 – 678.

The End