GIMNAZIJA
JOŽETA
PLEČNIKA
LJUBLJANA

Naloga 5

Python

Python urejevalnik se nahaja na strani:
https://www.w3resource.com/python-exercises/python-basic-exercises.php#EDITOR
Vhodne podatke preberete iz standardnega vhoda z ukazom input.

Naloge

1. **Razlika**

   Za dano število zapisano v desetiškem številskem sestavu poišči razliko med največjim in najmanjšim številom, ki vsebujete enake števke kot prvotno število.

2. **Množica Števil**

   V dani množici naravnih števil poiščite vse pare števil, katerih vsota je dano število.

3. **Vedno enako**

   Napišite program, ki bo številki v zapisu danega števila med $1000 <= n <= 9999$, najprej dodal na desni vse štiri števke in tako dobil osemmestno številko. Tako dobljeno število delite s 137 in s številom n. Na koncu izpišite rezultat.

4. **Urejanje seznama**

   Eden od najpreprostejših algoritmov za urejanje seznamov je naslednji:

   - Naredimo prehod skozi seznam, pri tem
   - primerjamo dva sosednja elementa seznama,
   - če nista urejena v predpisanem vrstnem redu ju zamenjamo.
   - če sta enaka, enega izločimo.
   - To ponavljamo toliko časa, dokler v prehodu skozi seznam ni bila narejena nobena sprememba.

Algoritem se imenuje mehurčkasto urejanje angl. (bubble sort). Spodnje besedilo pretvorite v seznam besed. Pri urejanju izpustite podvojitve.

Besedilo

suzanne takes you down to her place near the river
you can hear the boats go by
you can spend the night beside her
and you know that she is half crazy
but that is why you want to be there
and she feeds you tea and oranges
that come all the way from china
and just when you mean to tell her that
you have no love to give her
then he gets you on her wavelength
and she lets the river answer that you have
always been her lover
and you want to travel with her and you want to travel blind
and you know that she will trust you
for you have tuched her perfect body with your mind
and jesus was a sailor when he walked upon the water
and he spent a long time watching from his lonely wooden tower
and when he knew for certain only drowning men could see him
he said all men will be sailors then until the sea shall free them
but he himself was broken long before the sky would open
forsaken almost human he sank beneath your wisdom like a stone
and you want to travel with him and you want to travel blind
and you think you maybe you will trust him
for he is touched your perfect body with her mind
now suzanne takes your hand and she leads you to the river
she is wearing rags and feathers from salvation army counters
and the sun pours down like honey on our lady of the harbor
and she shows you where to look among the garbage and the flowers
there are heroes in the seaweed there are children in the morning
they are leaning out for love and they wil lean that way forever
while suzanne holds her mirror
and you want to travel with her and you want to travel blind
and you know that you can trust her
for she is touched your perfect body with her mind

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