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FYCS

ASSIGNMENT

1) Explain Green Computing with its advantages.

Green computing provide reusability of resources that are currently used by various technologies. Green computing is responsible for environmentally and eco-friendly use of computer and their resources. So it defines the study of engineering, manufacturing, designing and using disposing computing devices in such a way that help to reduce their impact on environment. This provides an idea about why we use green computing and their barriers in implementing green computing. Subsequently benefits and their implementations technologies of green computing are proposed. Keywords: Reusability, Technology, Resources, Manufacturing.

Advantages :

- 1) Green computing technique reduces the energy consumption which results into low carbon dioxide emission.
- 2) By using green computing techniques we can also save money that was spent in extra usage of energy and resources.
- 3) Green computing also applies changing government policy to encourage recycling.
- 4) Green computing also removes the risk which is existing in the laptop such as chemical known to cause cancer or nerve damage etc.
- 5) Use preserve resources which use less energy to produce use and dispose of product.

2) What is E-waste? What can be done to reduce the impact of E-waste.

E-waste is a popular, informal name for electronic products nearing the end of their "useful life." Computers, televisions, VCRs, stereos, copiers, and fax machines are common electronic products. Many of these products can be reused, refurbished, or recycled.

Ways to Reduce E-Waste

- Donate or Sell Working Electronics
- Consume Less in Order to Reduce Your E-Waste
- Use Your Old Mobile Phone as a GPS Device
- Recycle via a Retailer



- Check E-Cycling Centers in Your State
- Organize Your Electronics
- Know Your State's Laws About Battery Disposal
- Store Your Data Online.

3) What are the benefits of going paperless.

Saves Time. Time spent filing, organizing, and searching for paper documents is time that could be spent on more productive tasks. ...

- Saves Space
- Saves Money
- Eases Transfer of Information
- Promotes the Environment
- Boosts Security

4) What is Github? Give advantages of using Github.

GitHub is a code hosting platform for version control and collaboration. It lets you and others work together on projects from anywhere. This tutorial teaches you GitHub essentials like repositories, branches, commits, and Pull Requests.

It makes it easy to contribute to your open source projects. To be honest, nearly every open-source project uses GitHub to manage their project. ...

- Documentation
- Showcase your work
- Markdown
- GitHub is a repository
- Track changes in your code across versions



- Integration options.

Advantages of GitHub

It's free and it is open source: As discussed earlier, github is completely free and you can use it without paying and since it is an open source you can download the source code and can make changes as per the requirements.

It is fast

It provides good backup

5) Write a program using PEP8 rules.

```
num = 15

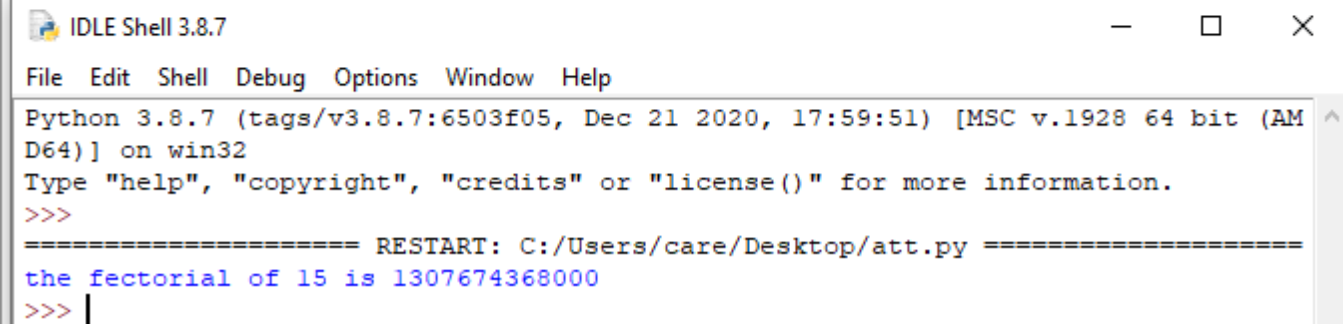
factorial = 1

if num < 0:
    print("sorry, factorial does not exist for negative number")

elif num == 0:
    print("The factorial of 0 is 1 ")

else:
    for i in range(1, num+1):
        factorial = factorial*i

print("the factorial of", num,"is", factorial)
```



The screenshot shows the IDLE Shell 3.8.7 window. The menu bar includes File, Edit, Shell, Debug, Options, Window, and Help. The shell text area displays the following output:

```
Python 3.8.7 (tags/v3.8.7:6503f05, Dec 21 2020, 17:59:51) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/care/Desktop/att.py =====
the factorial of 15 is 1307674368000
>>> |
```

