

IT TOOLS ASSIGNMENT

1) Explain Green Computing with its advantages.

Green registering, additionally called green innovation, is the naturally mindful utilization of PCs and related assets. Such practices incorporate the execution of CPUs, servers what's more, peripherals and also lessened asset utilization and appropriate transfer of electronic waste. One of the most punctual activities toward green figuring in the United States was the deliberate marking program known as Energy Star. It was brought about by the Ecological Protection Agency in 1992 to advance vitality proficiency in equipment of different types. typical sight took form into Energy Star mark, particularly in note pad PCs and presentations. Government direction, anyway benevolent, is just piece of an in general green processing logic. The work propensities for PC clients and organizations can be changed to limit antagonistic effect on the worldwide condition.

Advantages :

1. Decreased vitality use from green figuring systems converts into bring down carbon dioxide discharges, coming from a decrease in the non-renewable energy source utilized in control plants and transportation.
2. Saving assets implies less vitality is required to create, utilize, and discard items.
3. Sparing vitality and assets sets aside extra cash
4. Green is empower that recycling and taking down vitality use by and organizations people.
5. Diminish the hazard existing in the workstations, for example, substance known to cause disease, nerve harm and resistant responses in people.

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

E-waste is electronic products that are unwanted, not working, and nearing or at the end of their useful life. Computers, televisions, VCRs, stereos, copiers, and fax machines are everyday electronic products.

To reduce the impact of e-waste :

1. **Sell old Electronics** : One of the best and easiest methods of reducing the electronic waste footprint is to sell or donate your electronic gadgets to those in need.
2. **Donate old Electronics** : Donating electronics to the needy is also a practice followed by many. It not only gives the gadget a new life, but also makes you feel good about yourself.
3. **Recycle and Dispose of E-Waste Properly** : Recycling old electronics allows the expensive electronic parts inside to be reused. This can save a lot of energy and reduce the need for mining of new raw resources, or manufacturing new parts
4. **Maintain your Electronics** : One of the best ways to save your money and reduce e-waste is to keep your electronics well-maintained, to increase its life
5. **Repurpose or Re-evaluate** : you can repurpose old electronics that aren't useful anymore for their intended use
6. **Store Data Online** : By storing data online, you get to access your data from anywhere around the world, without the need to carry a storage device at all times. Cloud storage also gives you a large amount of storage, for free or for very cheap.
7. **Buy Energy Star Rated Electronics** : Investing in environmental friendly electronics have interdependent benefits.
8. **Learn to Repair Broken Electronics at Home** : However, along with maintaining your electronic devices by cleaning them regularly to help them last for longer, you could also learn how to fix hardware problems on your device.
9. **Rent Electronic Equipment instead of Buying** : If you are planning to use a specific piece of electronic equipment for a limited period of time, it would be a better idea to rent it instead of buying it.
10. **Spread the Word** : Let's say you've been faithful in your quest to reduce electronic waste. You're buying less unnecessary electronics and donating your outdated ones, among other things.

3) What are the benefits of going paperless.

1. Strengthened Document Security & Confidentiality
2. Easy Access to Data
3. Decreased Carbon Footprint
4. Automatic Data Retention & Digital Backups
5. Less Expensive Client Communication
6. Financially More Cost-Effective
7. Reduced Daily Data Storage & Supply Costs
8. Adhere to Audit Guidelines.
9. Increased Customer Service
10. More Time Spent on Important Tasks

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. You'll create your own Hello World repository and learn GitHub's Pull Request workflow, a popular way to create and review code.

Advantages of using Github :

It is free and open source : 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 : Since most of the operations are preferred locally, it allows huge benefit in terms of speed.

It provides good backup : Here chance of losing data is very low as it provides the multiple copies of it.

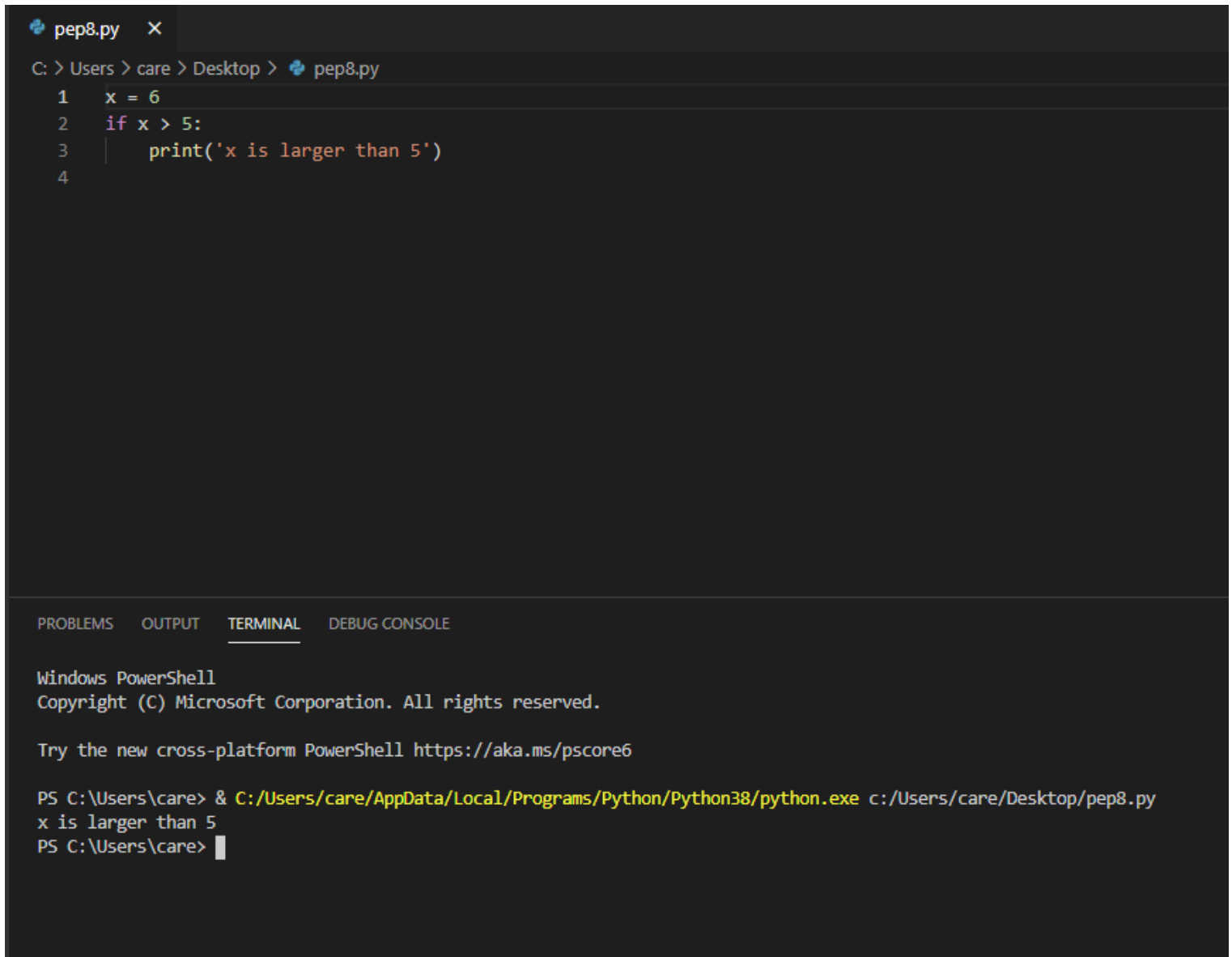
Multiple developers can work : Github allows multiple developers to work on a single project at a time. It helps all the team members to work together on a single project at a time from different locations.

5) Write a program using PEP8 rules.

INDENTATION :

Indentation, or leading whitespace, is extremely important in Python. The indentation level of lines of code in Python determines how statements are grouped together.

Consider the following example:



```
pep8.py X
C: > Users > care > Desktop > pep8.py
1  x = 6
2  if x > 5:
3      print('x is larger than 5')
4
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\care> & C:/Users/care/AppData/Local/Programs/Python/Python38/python.exe c:/Users/care/Desktop/pep8.py
x is larger than 5
PS C:\Users\care>
```