

ASSIGNMENT 1

1.Explain Green Computing with its advantages?

Ans: Green computing is the environmentally responsible and eco-friendly use of computers and their resources. In broader terms, it is also defined as the study of designing, manufacturing/engineering, using and disposing of computing devices in a way that reduces their environmental impact.

- 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.

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

Ans: 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.

- 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 Centre 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

Ans:

- 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.

Ans: GitHub is a for-profit company that offers a cloud-based Git repository hosting service. Essentially, it makes it a lot easier for individuals and teams to use Git for version control and collaboration.

Advantages of GitHub are:

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.

5. Write a program using PEP8 rules.

Program:



```
Python 3.9.0 Shell
File Edit Format Run Options Window Help
# To take inputs from the user
x = input("Enter value of x: ")
y = input("Enter value of y: ")

# create a temporary variable and swap the values
temp = x
x = y
y = temp

print("The value of x after swapping: {}".format(x))
print("The value of y after swapping: {}".format(y))
```

OUTPUT:

```
Python Shell [RE]  
File Edit Shell Debug Options Window Help  
Python 3.9.5 (tags/v3.9.5:31e72044, Apr 3 2021, 11:35:28) [AMD64] on win32  
Type "help()", "copyright()", "credits()" or "license()" for more information.  
>>>  
===== RESTART: This shell =====  
Enter value of x: 50  
Enter value of y: 60  
The value of x after swapping: 60  
The value of y after swapping: 50  
>>>
```