

Digital Initial Assessment

Contents

Plagiarism:.....	1
Assessment Tasks:.....	2
Skills Task	2
Knowledge Task	2
Behaviours Task	2

This first assignment enables your tutors to establish your strengths and areas for improvement and begins your learning journey with us. It is really important that you attempt all the tasks set to your best ability. After this assessment your actions/targets will be set to support your understanding of what you need to do to improve and build on the skills you have learnt using the feedback to move your skills, knowledge and behaviour to the next level.

Plagiarism:

Work handed in against this brief must be the learner's own work. Any content not generated by the learner must be appropriately referenced, otherwise it will be taken to be that of the learner submitting it. Any infringement of the College's Plagiarism guidelines will result in the Assignment not being marked and Disciplinary proceedings initiated.

Assessment Tasks:

Skills Task

Written task:

In at least 500 words, describe the use of Python libraries, such as pandas, matplotlib, tensorflow, etc. This written task will be in the format of a written report with appropriate section titles, page numbers and contents section.

Knowledge Task

Practical task 1 hour: Create a Calculator Application.

Create a basic login application (text based / GUI based) on IDLE using python or similar software which allows a member of staff and a student to log in. The system will be used to borrow books from a library where students can see available books to borrow and staff can log into loan a book out on behalf of a student. You will also complete appropriate testing for this application.

Program Checklist:

Two type of users can login	
Using if / else statements	
Using code comments	
Compiles and runs with no errors	
Completed test plan and log	

Behaviours Task

Professional talk 5 minutes: You are required to deliver a professional to your peers on the following idea:

The difference between software engineering and data science, what do we know.

You will have 30 minutes to research the subject and prepare notes to justify points raised. You will be expected to raise points for and against the idea and justify your points.

		Success Criteria	
Task	Criteria		Met (Y/N)?
1. Skills	a.	Be able to write in full sentences using subject specific terminologies	
	b.	Be able to use punctuation	
	c.	Be able to write in full sentences and explain ideas clearly and professionally.	
2. Knowledge	a.	Be able to work with little assistance or independently	
	b.	Create a do list with the dates to plan the steps you need to get ready for the interview	
	c.	Be able use technology	
3. Behaviours	a.	Be able to prepare for a discussion	
	b.	Be able to listen to others	
	c.	Be able to communicate ideas effectively	

Starting Point	Y/N (Select one only)
Referral	
Little progress has been made on the knowledge and skills tasks; behaviours are not sufficiently within range of expectations; general aptitude for the programme is lacking.	
Starter	
Progress on the knowledge and skills tasks is limited; behaviours may need further support but general aptitude for the programme is evident.	
Progressor	
Evidence of some prior skill or knowledge, or good progress made in both tasks. Behaviours meet basic expectations, and aptitude for the programme is good.	
Competent	
A good level of basic skill and knowledge for the programme, further improved during the assignment. Behaviours meet or exceed expectations, and aptitude for the programme is good.	