**P1 : Task: Supporting tools and environments.**

**Case Tools and IDE’s**

(Integrated Development Environment) are software

tools that enable software developers to quickly build, test and deploy a

programmed solution.

Find out the meaning of the following Key Terms:

Case Tools cover different aspects of the software design and development

process. Complete the following table

|  |  |
| --- | --- |
| **Tool** | **Creates** |
| Upper-case | Converts the characters into upper case, for example if you inputted “hello” it would output as “HELLO” |
| Lower-case | Converts the characters into lower case: if you entered “Hello”, it would output as “hello” |
| Integrated case | Can use both upper and lower case |

IDE – An IDE typically consists of the following development tools – explain each

|  |  |
| --- | --- |
| **Tool** | **Function (include screen-print where appropriate)** |
| Visual editor | To can edit the text visually, you can see how it has been editedVisualEditor - Wikipedia |
| Text editor | Allows you to open, view and edit plain text. Does not add formatting but focuses on editing functions.  Text editor - Wikipedia |
| Compiler | This is a special program that processes statements written I a particular language and turns them into code so that the computer can process them.  I wrote a programming language. Here’s how you can, too. |
| Linker | Takes one or more object files and combines them into one executable file, library file or ‘object’ file. |
| Debug facilities | Includes the ability to run or to stop the program at specific points. It can also display the contents of memory, CPU registers or disk drives and modify memory or register contents.  Debugging the Eclipse IDE for Java Developers | The Eclipse Foundation |
| Help system | You can access the latest information, videos and helpful links and if there is no internet connection then it will display the local help that is installed on your computer. |