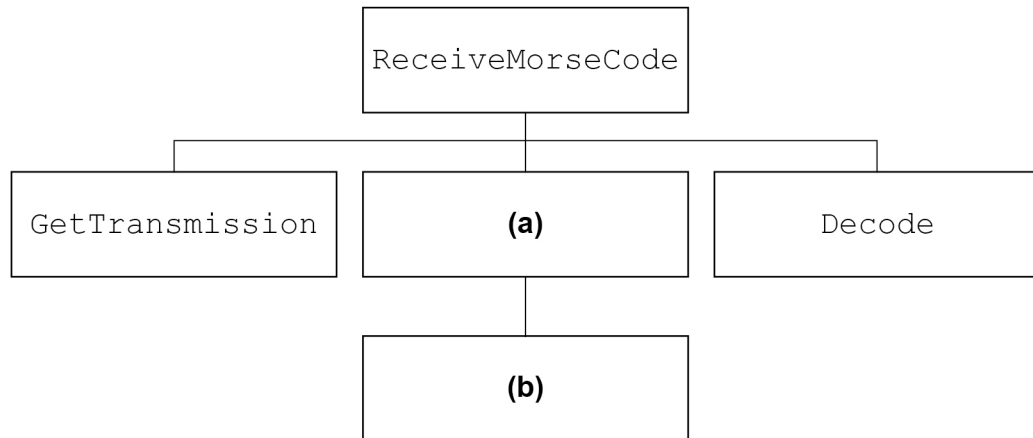


0	1
---	---

Figure 3 shows an incomplete hierarchy chart for part of the **Skeleton Program**.

With reference to the **Skeleton Program** and **Figure 3**, answer questions **9.1** to **9.2**.

Figure 3



0	1	.	1
---	---	---	---

What should be written in box **(a)** in **Figure 3**?

[1 mark]

0	1	.	2
---	---	---	---

What should be written in box **(b)** in **Figure 3**?

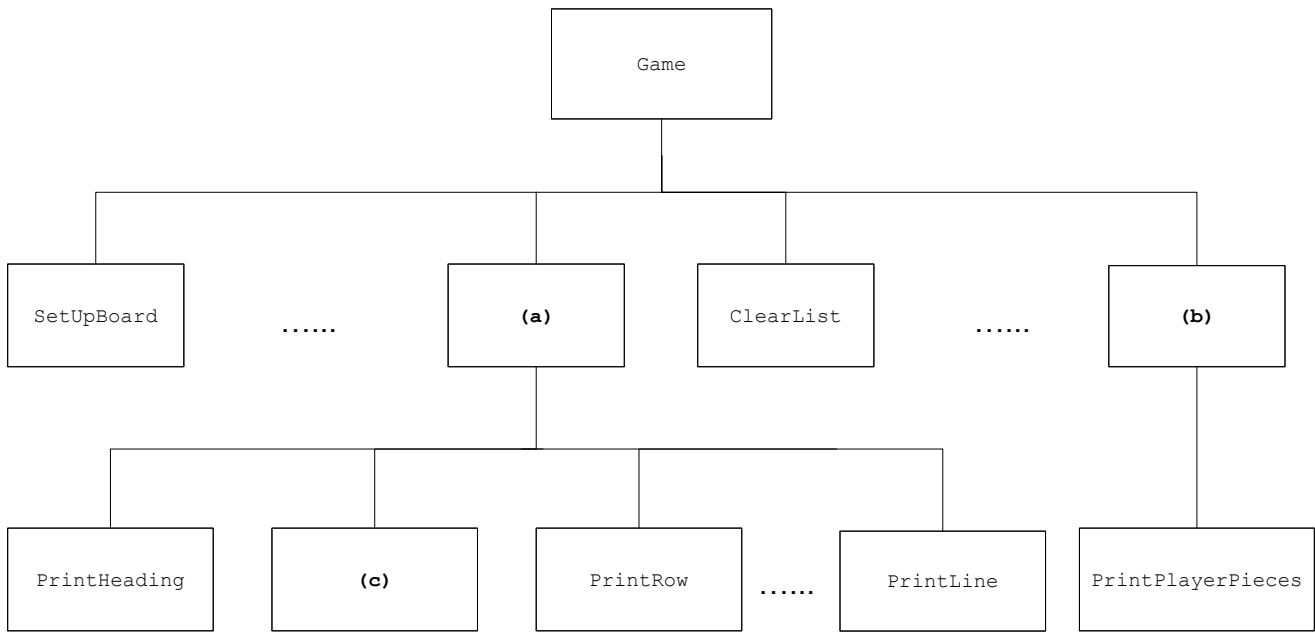
[1 mark]

0	2
---	---

Figure 4 shows an incomplete hierarchy chart for part of the **Skeleton Program**.

With reference to the **Skeleton Program** and **Figure 4**, answer questions **9.1** to **9.3**.

Figure 4



0	2	.	1
---	---	---	---

What should be written in box **(a)** in **Figure 4**?

[1 mark]

0	2	.	2
---	---	---	---

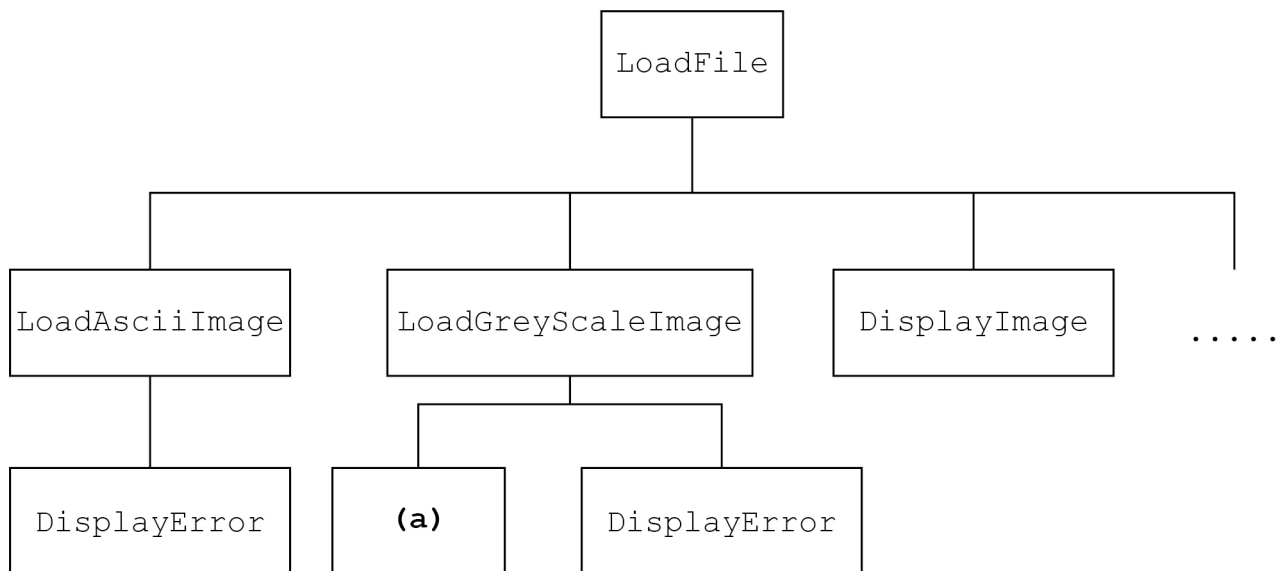
What should be written in box **(b)** in **Figure 4**?

[1 mark]

0	2	.	3
---	---	---	---

What should be written in box **(c)** in **Figure 4**?

[1 mark]

0 3**Figure 3** shows an incomplete hierarchy chart for part of the **Skeleton Program**.**Figure 3****0 3 . 1**

What is the purpose of a hierarchy chart?

[1 mark]**0 3 . 2**

What does each box in a hierarchy chart represent?

[1 mark]**0 3 . 3**What should be written in box **(a)** in **Figure 3**?**[1 mark]**

0	4	.	1
---	---	---	---

What is a subroutine?

[1 mark]

0	4	.	2
---	---	---	---

The use of subroutines promotes code re-use.

Describe, with references to subroutine(s) in the **Skeleton Program**, an example of how a subroutine has been re-used.

[1 mark]

0	4	.	3
---	---	---	---

Describe an advantage of re-using subroutines.

[1 mark]

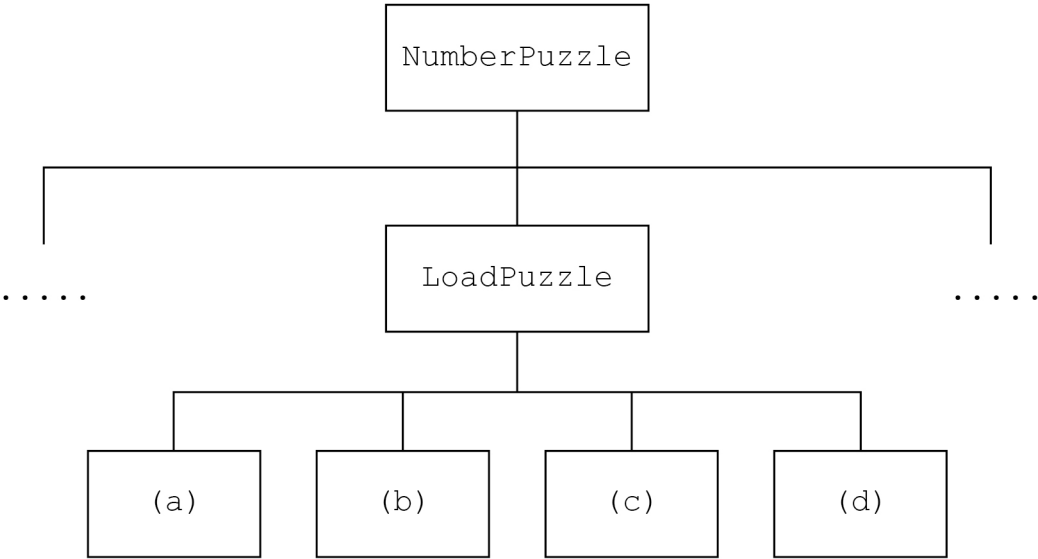
0

4

4

Figure 4 shows an incomplete hierarchy chart for part of the **Skeleton Program**.

Figure 4



Complete **Table 5** by writing the labels that should appear in each of the boxes (a) to (d) in **Figure 4**.

Table 5

Box	Label
(a)	
(b)	
(c)	
(d)	

Copy the contents of all the unshaded cells in **Table 5** into your Electronic Answer Document.

[2 marks]

0	5
---	---

Programmers are encouraged to adopt a structured approach to writing programs.

Explain **three** reasons for adopting the structured approach.

[3 marks]