

# *National Council for Vocational Awards*



## **Database Methods Practical Level 5**

**Monday 15<sup>th</sup> May, 2006      10,00 am – 12.00 pm**

### **INSTRUCTIONS TO CANDIDATES**

- 1. Attempt all five tasks**
- 2. Read the paper throughout before attempting any of the tasks**
- 3. All printouts should have the candidate's name and examination number clearly displayed**
- 4. Printing may be carried out, under supervision, after the time allowed for the practical examination but no alteration may be made to saved files.**

### **CHECKLIST OF REQUIREMENTS**

**At the end of the examination you should have the following items:**

- 1. Database Structure Form (filled in by hand) from Task 1.**
- 2. A database file called GAMEINFO from Task 1**
- 3. A data entry screen from Task 2.**
- 4. A full listing of the data from Task 2**

## Introduction

A video games store, GameShack, sells video games for the following games consoles: Playstation 2, Xbox 360, Gamecube and Nintendo DS. They also sell titles for the PC.

Each title that Gameshack sells has a genre classification, such as strategy, action, platform, etc. and an age classification. Each product also has its own in-store code as follows:

PC:	PC-xxx
Xbox 360:	XB3-xxx
Gamecube:	GC-xxx
Nintendo DS	NDS-xxx

The xxx denotes the first three letters of the game. So, for example, the game ‘Sentry’ for the PC would have the store code: PC-SEN.

The database will also need to record the following information:

- The publisher of the game
- The price of the game
- The format on which the game is available (e.g. PC, Xbox 360)
- The storage medium the game is stored (e.g. CD, DVD, cartridge)

### Task One (6 marks)

From the database information given below in **Figure 1**, create a database to accommodate this information. Write out the structure on the form provided (on the last page of this paper). Decide which field would be the best choice for a Primary Key and implement this. Save the database as **GAMEINFO**.

**Figure 1.**

Field Name
Game Title
Game Genre
Price of Game
Format
Medium
Publisher
Age Rating
Release Date
Product Code
No. of copies sold

No.

## Task 2 (10 Marks)

Create a data input screen to capture the information below in **Figure 2**. Save this data input object as **INPUTFORM**. Print this form out.

Follow these guidelines when creating the input screen:

- All fields must have suitable field labels
- The input screen should have a title on top that is centred
- There is no need for borders, highlighting or any other effects

**Figure 2.**

Game Title	Game Genre	Price	Format	Medium	Publisher	Age Rating	Release Date	Copies Sold	Product Code
Blood Money	Action	€34.99	PC	DVD	Random Arts	12+	01/07/2005	5	PC-BLO
Turrican	Action	€44.99	Xbox 360	CD	Factor 7	12+	03/07/2005	7	XB3-TUR
Populous	Strategy	€39.99	PC	DVD	Orion	12+	04/07/2005	5	PC-POP
Katakis	Role-playing		Nintendo DS	Cartridge	Random Arts	7+	10/07/2005	8	NDS-KAT
Xenon 2	Flight-sim	€17.99	Nintendo DS	Cartridge	Doodlebug Design	7+	12/07/2005	5	NDS-XEN
Skylords	Strategy	€21.99	Gamecube	CD	System One	12+	14/07/2005	8	GC-SKY
Alien Breed		€29.99	PC	CD	The In- House	12+	17/07/2005	15	PC-ALI
Menace	Platform	€19.99	Gamecube	CD	Orion	7+	19/07/2005	11	GC-MEN
Kid Gloves	Puzzle	€39.99	Gamecube	CD	Lightforce Software	7+	21/07/2005	14	GC-KID
Chaos Engine	Adventure	€21.99	Xbox 360	DVD	FTL Ltd.	5+	24/07/2005	15	XB3-CHA
Apocalypse	Role-playing	€29.99	Nintendo DS	Cartridge	Random Arts	16+	28/07/2005	11	NDS-APO
Sentry	Adventure	€24.99	Xbox 360	DVD	Digital Scribes	18+	31/07/2005	7	XB3-SEN

## Task 3 (14 Marks)

- (a) The store's manager requires labels to be printed out for the games included on the database. These labels will be attached to the game's boxes on the shelf.

The labels should include:

- The name of the game
- The price of the game
- The age rating for the game

- (b) You are asked to sort the database in the following order:

- Ascending order for the Game Publisher field (Primary sort field)

- Descending order for the Price field (Secondary sort field)

**Task 4** (12 Marks)

(a) You are asked to extract the following information from the database:

- All titles published by Random Arts
- All titles which cost *more* than €30
- All titles *except* Strategy titles

Save this information under the name **SELECTEDLIST**.

(b) Create a report format which lists the entire database. Include all of the fields from the database in this report. The report should have the heading **July Sales Report**. Include a total for the **Price** field at the foot of this report and print it.

**Task 5** (8 Marks)

Make the following amendments to the database:

- Change the format for the '*Turrican*' record from CD to DVD
- Delete the record for '*Apocalypse*' completely
- Change the price for '*Xenon 2*' from €17.99 to €12.99
- Change the age rating for '*Chaos Engine*' from 5+ to 12+

**Database Structure Entry Form**

Field Name	Data Type	Width

**Name:** \_\_\_\_\_

**Examination Number:** \_\_\_\_\_

**Date:** \_\_\_\_\_