OASIS CARNIVAL BAND

www.oasis-band-international.com

TEL: 888-8888

9th September 2013

Andre Schurrle

64 Baker Street

Dear Mr. /Ms. Schurrle,

This letter is to inform you that our band will have to assemble at Smyth Street to commence our march to Orange Walk along Brickdam at 12:45 PM. We of the Oasis Carnival Band humbly thank you for using the Full Payment method to deposit your capital for our services.

Enclosed on the next page is a report showing all the masqueraders who paid in full for the costumes for their respective sections.

We are grateful for your decision to participate in our band’s carnival events. We hope that your participation will benefit us tremendously and trust that you will follow our band in the years to come.

Thanking You,

sonnyksimon

(Band Leader)

Conclusion

It can be concluded that computer-based solutions can be implemented in the management of the band.

Bibliography

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Cheltenham: Nelson Thornes

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Problem Definition

**Problem-Solving**

1. Develop an algorithm or write pseudocode that accepts as input the names of an unspecified number of masqueraders who each have paid the full cost of their costume and the amount each has paid. A masquerader may have paid for a costume in any of the five sections in the band. The algorithm should determine the section in which a masquerader plays based on the amount he/she has paid for the costume. The algorithm should also determine the number of masqueraders who have paid for costumes in each section. The names of persons and the section for which they have paid should be printed. A listing of section and the total number of persons registered to play in each section should also be printed, along with the total amount of money paid in each section.

2. Using data from your database, make a random listing of persons who have paid in full for their costumes. The listing should contain the IDNumber, and full amount paid by each masquerader for his/her costume and should be chosen randomly from each of the five sections. No more than twelve persons should be selected. Using this listing, design a trace table that traces the number of masqueraders in each section, the amount paid, and traces the total amount collected in each section.

**Program Implementation**

3. Using the programming language Pascal, write program code to implement the algorithm in (1).