**Appendix C-3**

**Sample Output for Project 3**

The following format guide is for you to generate the output reports, report**.rpt.** For snapshot.rpt, please refer to *project\_1.doc* and *Appendix C-1*, “*Sample Output for Project 1*.” **To enable TA’s evaluation of your work, you must precisely follow the specified format, or your result will be treated as an incorrect one!**

**You should list the total hit/miss number of ICache , DCache , ITLB, DTLB, IPageTable , DPagetable**

**Output Format:**

ICache :

# hits: 21

# misses: 25

DCache :

# hits: 2

# misses: 10

ITLB :

# hits: 3

# misses: 8

DTLB :

# hits: 4

# misses: 6

IPageTable :

# hits: 38

# misses: 8

DPageTable :

# hits: 10

# misses: 2

**Example:**

**addi $4 $0 4**

**addi $8 $0 12**

**beq $8 $1 4**

**lw $2 0($1)**

**sw $2 12($1)**

**add $1 $1 $4**

**j 2**

**add $8 $8 $8**

**add $1 $0 $0**

**beq $8 $1 4**

**lw $3 0($1)**

**add $1 $1 $4**

**j 9**

**halt**

**halt**

**halt**

**halt**

**halt**

**You can use the following code to write out the total hit/miss number of each component:**

fprintf( fptr\_report, "ICache :\n");

fprintf( fptr\_report, "# hits: %u\n", hits );

fprintf( fptr\_report, "# misses: %u\n\n", misses );

fprintf( fptr\_report, "DCache :\n");

fprintf( fptr\_report, "# hits: %u\n", hits );

fprintf( fptr\_report, "# misses: %u\n\n", misses );

fprintf( fptr\_report, "ITLB :\n");

fprintf( fptr\_report, "# hits: %u\n", hits );

fprintf( fptr\_report, "# misses: %u\n\n", misses );

fprintf( fptr\_report, "DTLB :\n");

fprintf( fptr\_report, "# hits: %u\n", hits );

fprintf( fptr\_report, "# misses: %u\n\n", misses );

fprintf( fptr\_report, "IPageTable :\n");

fprintf( fptr\_report, "# hits: %u\n", IPageTable.hitNum );

fprintf( fptr\_report, "# misses: %u\n\n", IPageTable.missNum );

fprintf( fptr\_report, "DPageTable :\n");

fprintf( fptr\_report, "# hits: %u\n", DPageTable.hitNum );

fprintf( fptr\_report, "# misses: %u\n\n", DPageTable.missNum );