02 Write an Algorithm & Embedded C programs for

1. Memory block Transfer and & ii) Memory Block Exchange.

Memory Transfer:

#include <xc.h>

#include<pic18f452.h>

void main(void) {

int temp,i;

int source1[]={0x51,0x52,0x53,0x54,0x55};

int dest[]={0x00,0x00,0x00,0x00,0x00};

for(i=0;i<=4;i++)

{

dest[i]=source1[i];

}

return;

}

Memory Exchange:

#include <xc.h>

#include<pic18f452.h>

void main(void) {

int i,temp;

int source[]={0x11,0x12,0x13,0x14,0x15};

int dest[]={0x81,0x82,0x83,0x84,0x85};

for(i=0;i<=4;i++)

{

temp=source[i];

source[i]=dest[i];

dest[i]=temp;

}

}