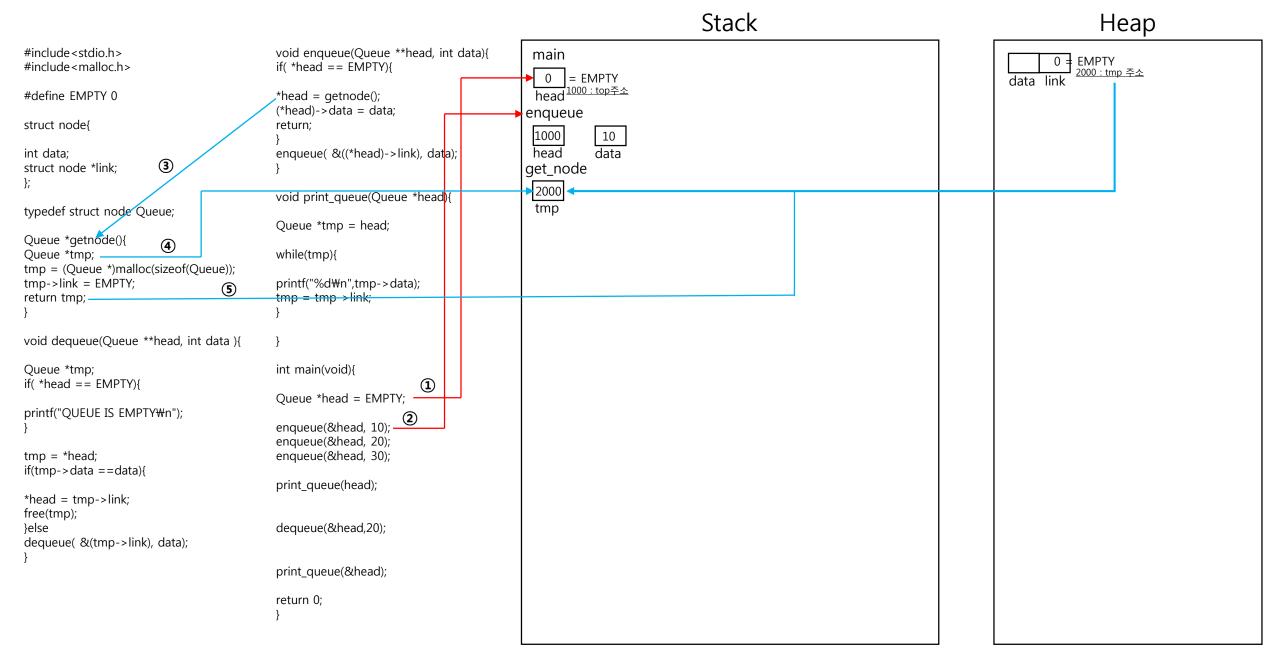
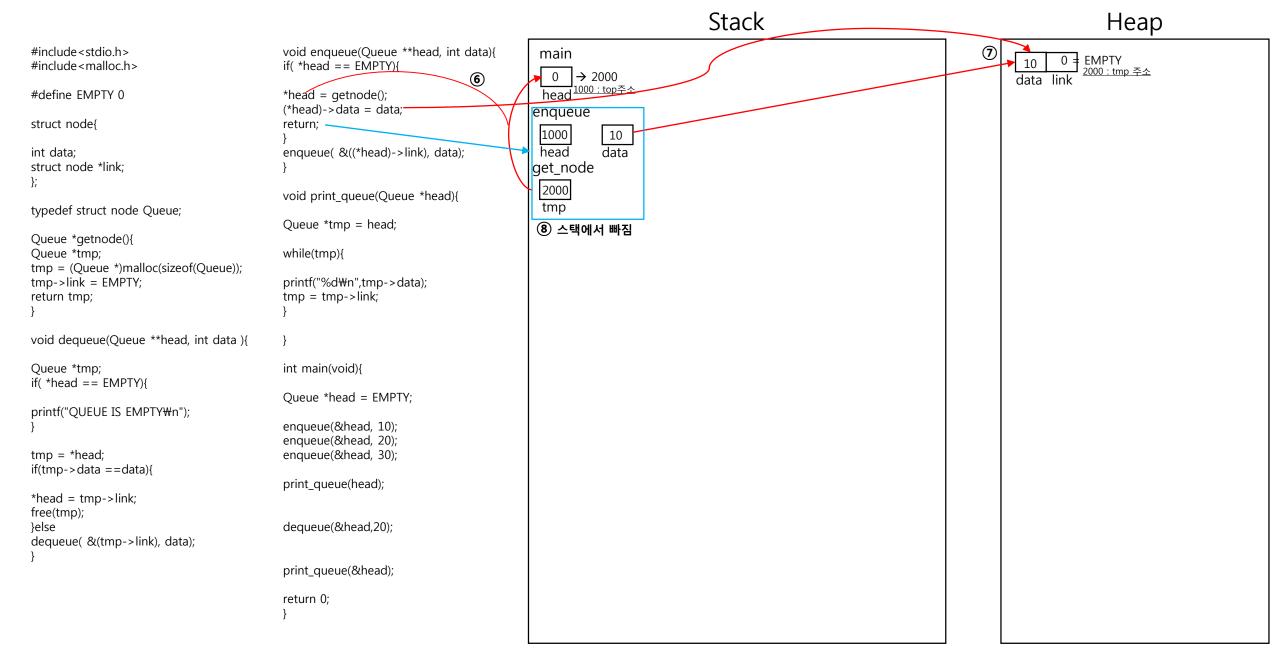
# TI DSP, MCU 및 Xilinx Zynq FPGA 프로그래밍 전문가 과정

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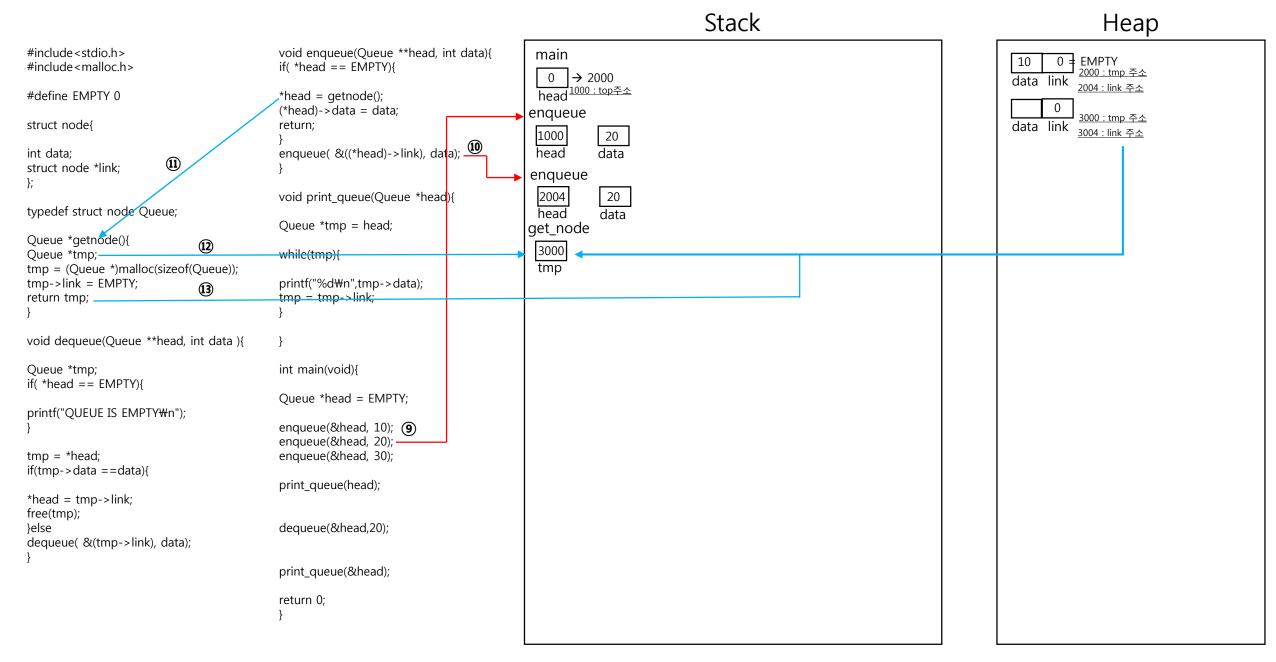
### 1.큐(Queue) 코드 이해(그림 그리기) - (enqueue 1)



# 1.큐(Queue) 코드 이해(그림 그리기) - (enqueue 2)

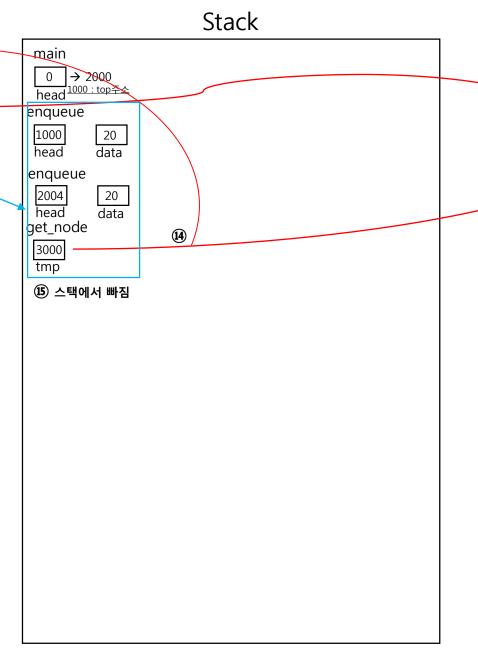


### 1.큐(Queue) 코드 이해(그림 그리기) - (enqueue 3)

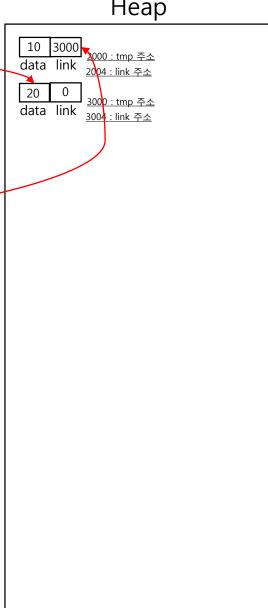


# 1.큐(Queue) 코드 이해(그림 그리기) - (enqueue 4)

```
#include < stdio.h >
                                           void enqueue(Queue **head, int data){
                                           if( *head = EMPTY){
#include < malloc.h >
                                           *head = getnode();
#define EMPTY 0
                                           (*head)->data = data;
struct node{
                                           return;
                                           enqueue( &((*head) >link), data);
int data;
struct node *link;
                                           void print queue(Queue *head){
typedef struct node Queue;
                                           Queue *tmp = head;
Queue *getnode(){
                                           while(tmp){
Queue *tmp;
tmp = (Queue *)malloc(sizeof(Queue));
tmp->link = EMPTY;
                                           printf("%d₩n",tmp->data);
return tmp;
                                           tmp = tmp->link;
void dequeue(Queue **head, int data ){
Queue *tmp;
                                           int main(void){
if( *head == EMPTY){
                                           Queue *head = EMPTY;
printf("QUEUE IS EMPTY\n");
                                           enqueue(&head, 10);
                                           enqueue(&head, 20);
tmp = *head;
                                           enqueue(&head, 30);
if(tmp->data ==data){}
                                           print queue(head);
*head = tmp->link;
free(tmp);
                                           dequeue(&head,20);
}else
dequeue( &(tmp->link), data);
                                           print_queue(&head);
                                           return 0;
```

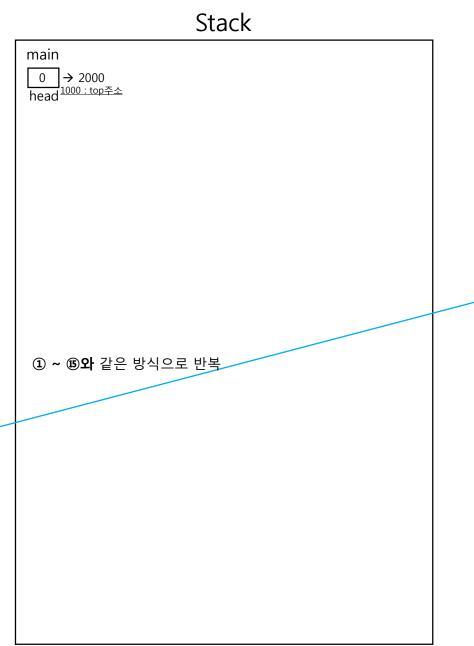


#### Heap

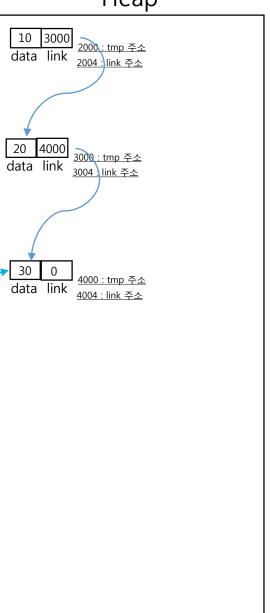


### 1.큐(Queue) 코드 이해(그림 그리기) - (enqueue 5)

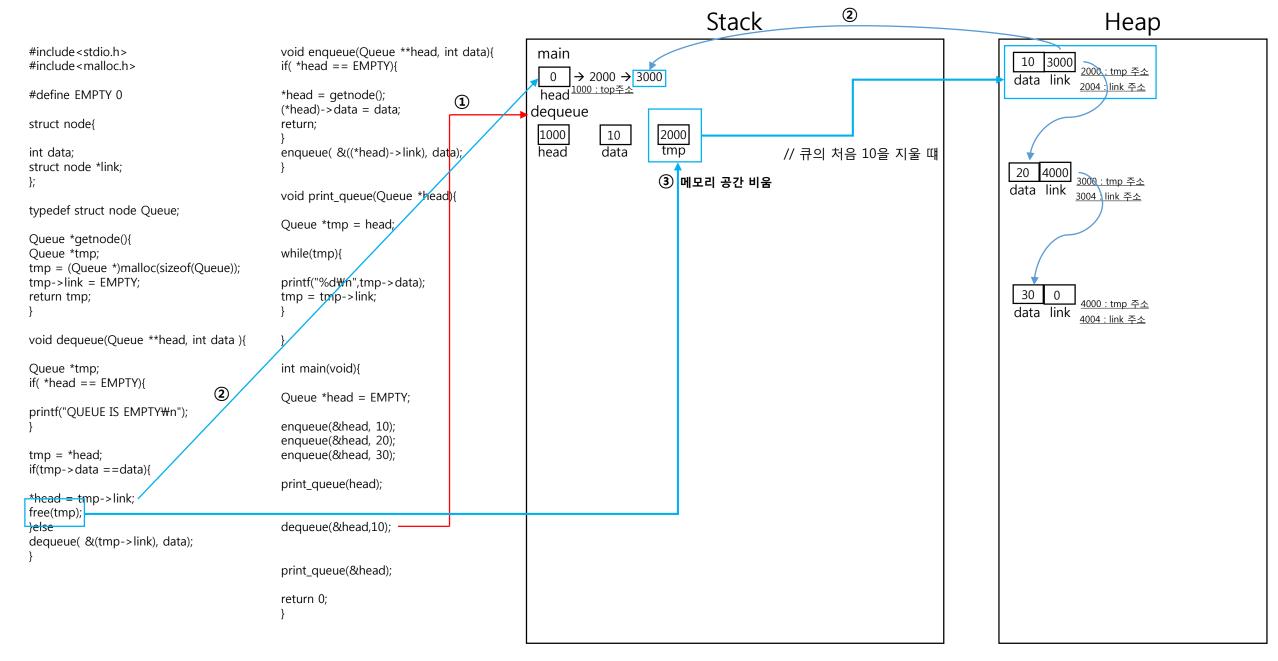
```
#include < stdio.h >
                                           void enqueue(Queue **head, int data){
                                           if( *head == EMPTY){
#include < malloc.h >
                                           *head = getnode();
#define EMPTY 0
                                           (*head)->data=data;
struct node{
                                           return;
                                           enqueue( &((*head)->link), data);
int data;
struct node *link;
                                           void print queue(Queue *head){
typedef struct node Queue;
                                           Queue *tmp = head;
Queue *getnode(){
                                           while(tmp){
Queue *tmp;
tmp = (Queue *)malloc(sizeof(Queue));
tmp->link = EMPTY;
                                           printf("%d₩n",tmp->data);
return tmp;
                                           tmp = tmp->link;
void dequeue(Queue **head, int data ){
Queue *tmp;
                                           int main(void){
if( *head == EMPTY){
                                           Queue *head = EMPTY;
printf("QUEUE IS EMPTY\n");
                                           enqueue(&head, 10);
                                           enqueue(&head, 20);
tmp = *head;
                                           enqueue(&head, 30);-
if(tmp->data ==data){}
                                           print queue(head);
*head = tmp->link;
free(tmp);
                                           dequeue(&head,20);
}else
dequeue( &(tmp->link), data);
                                           print_queue(&head);
                                           return 0;
```



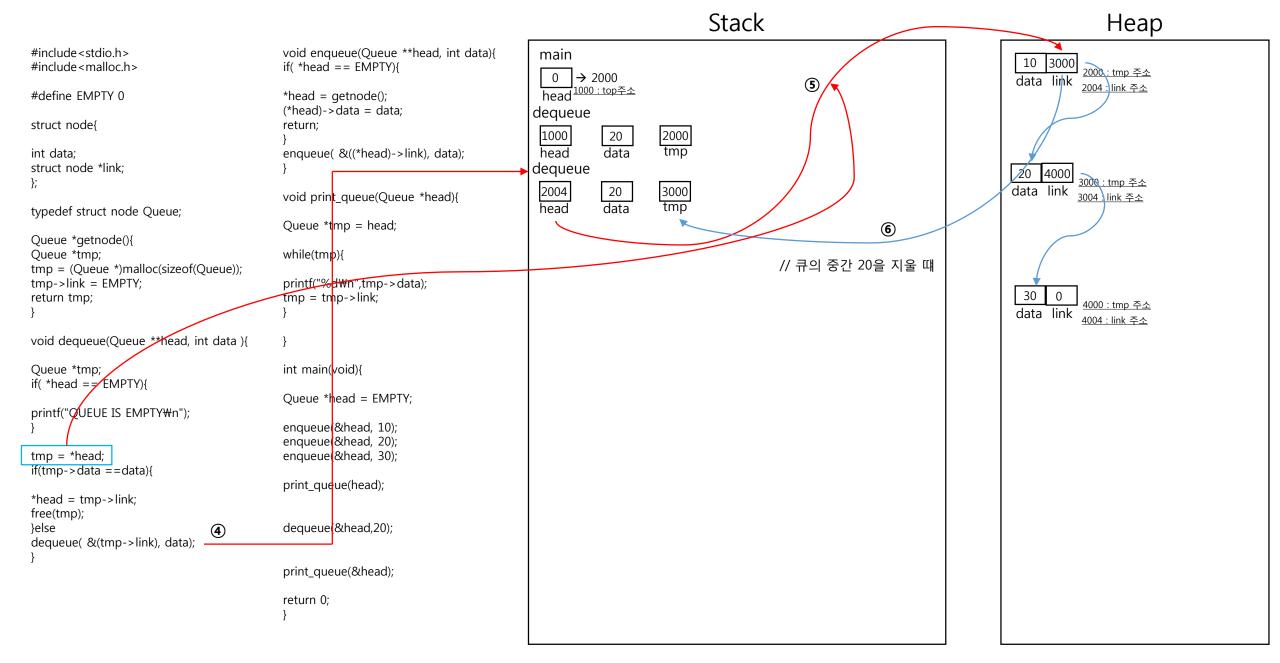
#### Heap



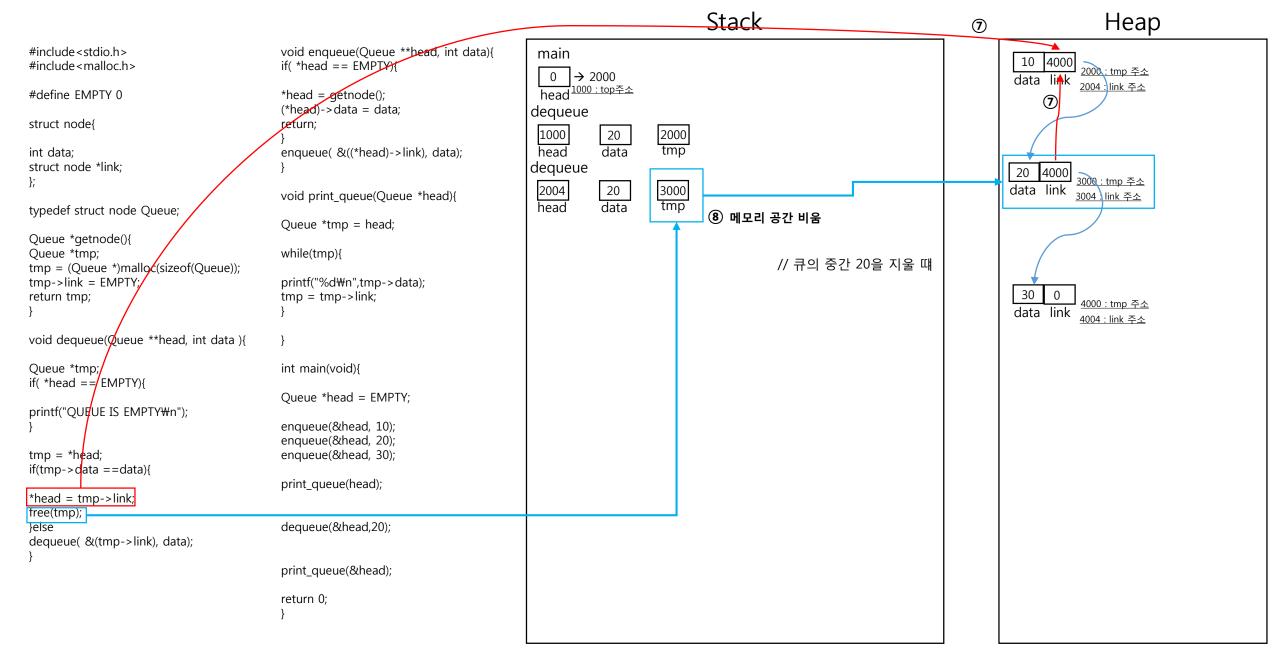
# 1.큐(Queue) 코드 이해(그림 그리기) - (dequeue 1)



### 1.큐(Queue) 코드 이해(그림 그리기) - (dequeue 2)



# 1.큐(Queue) 코드 이해(그림 그리기) - (dequeue 3)



# 1.큐(Queue) 코드 이해(그림 그리기) - (dequeue 4)

```
#include < stdio.h >
                                           void enqueue(Queue **head, int data){
                                           if( *head == EMPTY){
#include < malloc.h >
                                           *head = getnode();
#define EMPTY 0
                                           (*head)->data=data;
struct node{
                                           return;
                                           enqueue( &((*head)->link), data);
int data;
struct node *link;
                                           void print queue(Queue *head){
typedef struct node Queue;
                                           Queue *tmp = head;
Queue *getnode(){
                                           while(tmp){
Queue *tmp;
tmp = (Queue *)malloc(sizeof(Queue));
tmp->link = EMPTY;
                                           printf("%d₩n",tmp->data);
return tmp;
                                           tmp = tmp->link;
void dequeue(Queue **head, int data ){
Queue *tmp;
                                           int main(void){
if( *head == EMPTY){
                                           Queue *head = EMPTY;
printf("QUEUE IS EMPTY\n");
                                           enqueue(&head, 10);
                                           enqueue(&head, 20);
tmp = *head;
                                           enqueue(&head, 30);
if(tmp->data ==data){}
                                           print queue(head);
*head = tmp->link;
free(tmp);
                                           dequeue(&head,20);
}else
dequeue( &(tmp->link), data);
                                           print_queue(&head);
                                           return 0;
```

#### Stack

