Plagiarism Scan Report

Summary	
Report Genrated Date	12 Apr, 2018
Plagiarism Status	100% Unique
Total Words	150
Total Characters	1306
Any Ignore Url Used	

Content Checked For Plagiarism:

```
#include
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#define MAX RESOURCES 5
int available_resources = MAX_RESOURCES;
pthread_mutex_t mtx;
int decrease_count(int count)
pthread mutex lock(&mtx);
if (available_resources < count)</pre>
pthread_mutex_unlock(&mtx);
return -1;
}
else
{
available_resources -= count;
printf("%s %d %s %d %s\n", "Got", count, "resources", available_resources, "remaining");
pthread_mutex_unlock(&mtx);
return 0;
int increase count(int count)
pthread_mutex_lock(&mtx);
available_resources += count;
printf("%s %d %s %d %s\n", "Released", count, "resources", available_resources,
"remaining");
pthread mutex unlock(&mtx);
```

```
return 0;
void* f(void* param)
int* i = (int *)param;
printf("%d\n", *i);
if(decrease_count(2) != -1)
increase count(2);
return param;
}
int main()
pthread mutex init(&mtx, NULL);
printf("%s %d\n", "MAX_RESOURCES =", MAX_RESOURCES);
int thread_count = 5;
pthread_t threads[thread_count];
for(int i = 0; i < thread_count; i++)</pre>
{
int a = i;
if(pthread\_create(\&threads[i],\,NULL,\,f,\,\&a))\\
{
perror(NULL);
return errno;
}
}
for(int i = 0; i < thread count; i++)
if(pthread_join(threads[i], NULL))
{
perror(NULL);
return errno;
}
}
pthread_mutex_destroy(&mtx);
return 0;
}
```

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