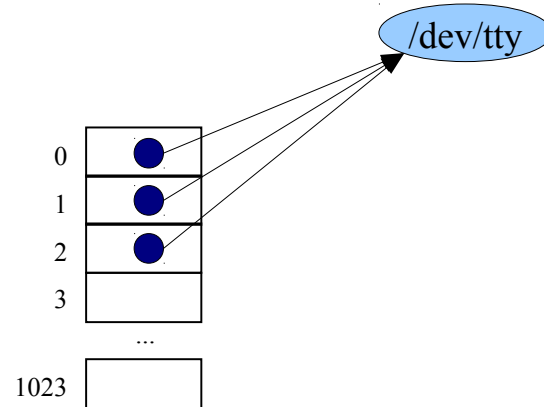


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Trace of testdupin

```
% gcc217 testdupin.c -o testdupin
```

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Trace of testdupin

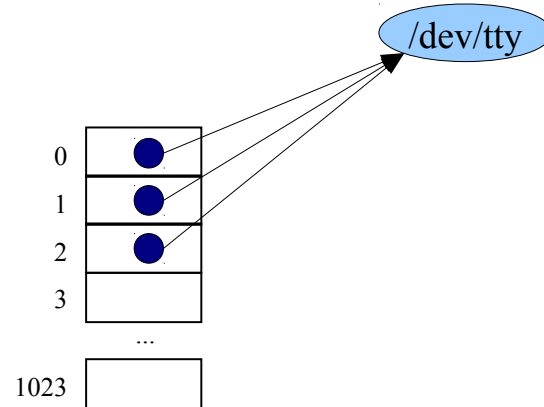
% ./testdupin



```
int main(void)
{
    int iFd;
    char acBuffer[100];
    iFd = open("tempfile", O_RDONLY);
    close(0);
    dup(iFd);
    close(iFd);
    scanf("%s", acBuffer);
    printf("%s", acBuffer);
    return 0;
}
```

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Trace of testdupin

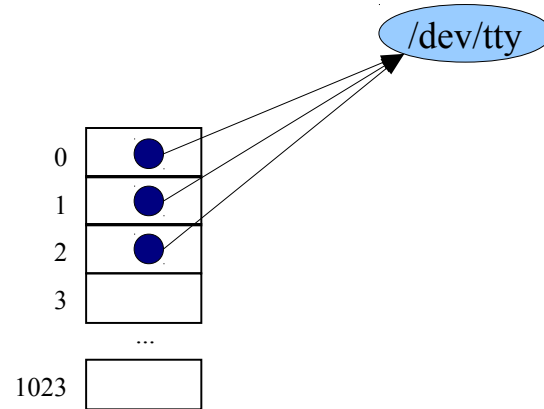
% ./testdupin



```
int main(void)
{
    int iFd;
    char acBuffer[100];
    iFd = open("tempfile", O_RDONLY);
    close(0);
    dup(iFd);
    close(iFd);
    scanf("%s", acBuffer);
    printf("%s", acBuffer);
    return 0;
}
```

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Trace of testdupin

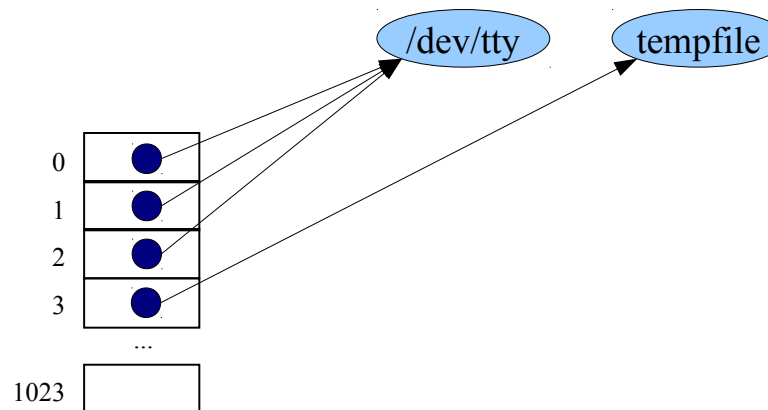
% ./testdupin



```
int main(void)
{
    int iFd;
    char acBuffer[100];
    iFd = open("tempfile", O_RDONLY);
    close(0);
    dup(iFd);
    close(iFd);
    scanf("%s", acBuffer);
    printf("%s", acBuffer);
    return 0;
}
```

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Trace of testdupin

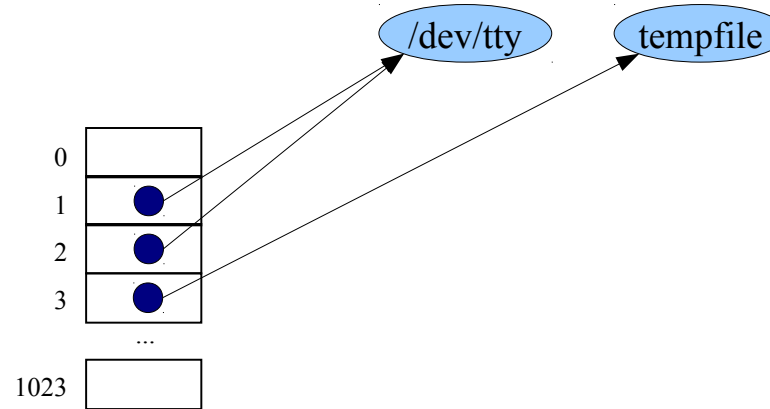
```
% ./testdupin
```



```
int main(void)
{
    int iFd;
    char acBuffer[100];
    iFd = open("tempfile", O_RDONLY);
    close(0);
    dup(iFd);
    close(iFd);
    scanf("%s", acBuffer);
    printf("%s", acBuffer);
    return 0;
}
```

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Trace of testdupin

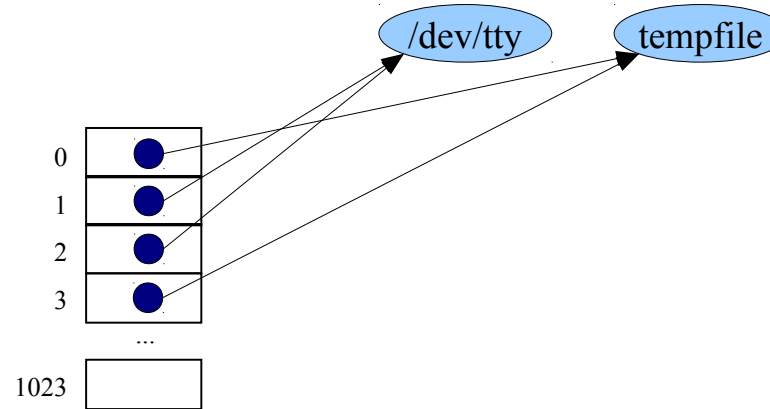
% ./testdupin



```
int main(void)
{
    int iFd;
    char acBuffer[100];
    iFd ← open("tempfile", O_RDONLY);
    close(0);
    dup(iFd);
    close(iFd);
    scanf("%s", acBuffer);
    printf("%s", acBuffer);
    return 0;
}
```

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Trace of testdupin

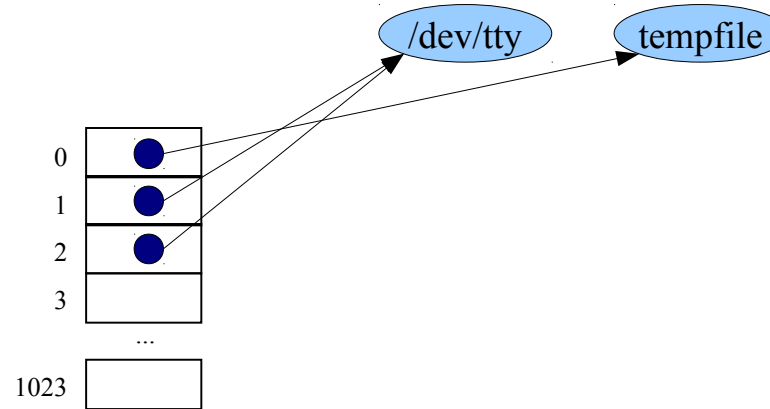
```
% ./testdupin
```



```
int main(void)
{
    int iFd;
    char acBuffer[100];
    iFd ← open("tempfile", O_RDONLY);
    close(0);
    dup(iFd);
    close(iFd);
    scanf("%s", acBuffer);
    printf("%s", acBuffer);
    return 0;
}
```

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Trace of testdupin

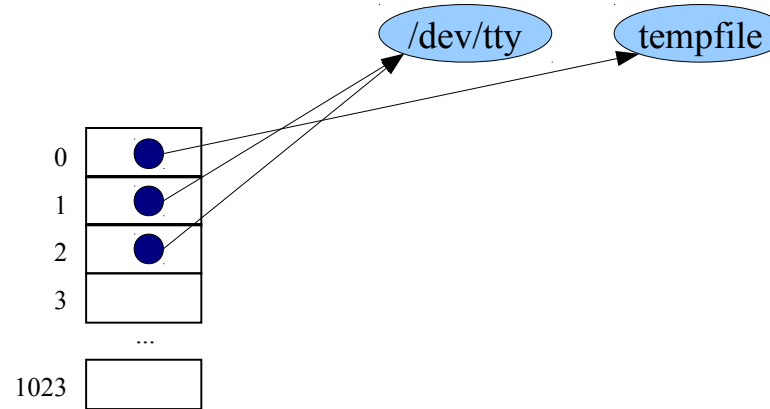
% ./testdupin



```
int main(void)
{
    int iFd;
    char acBuffer[100];
    iFd = open("tempfile", O_RDONLY);
    close(0);
    dup(iFd);
    close(iFd);
    scanf("%s", acBuffer);
    printf("%s", acBuffer);
    return 0;
}
```


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Trace of testdupin

```
% ./testdupin
```

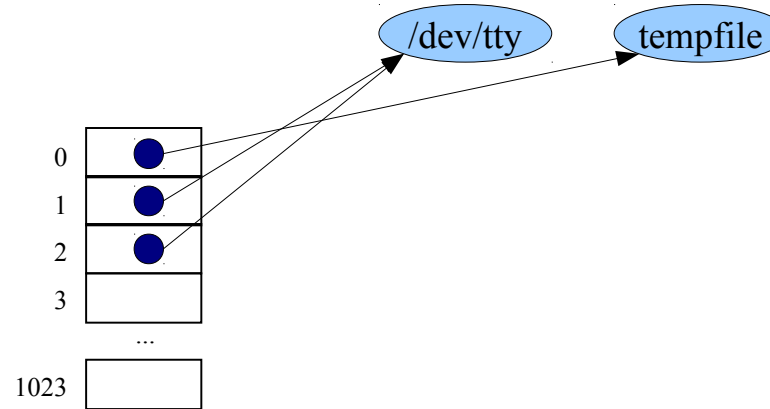


```
int main(void)
{
    int iFd;
    char acBuffer[100];
    iFd ← open("tempfile", O_RDONLY);
    close(0);
    dup(iFd);
    close(iFd);
    scanf("%s", acBuffer);
    printf("%s", acBuffer);
    return 0;
}
```

Reads from stdin (alias tempfile):
somedata\n

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```
% ./testdupin
```

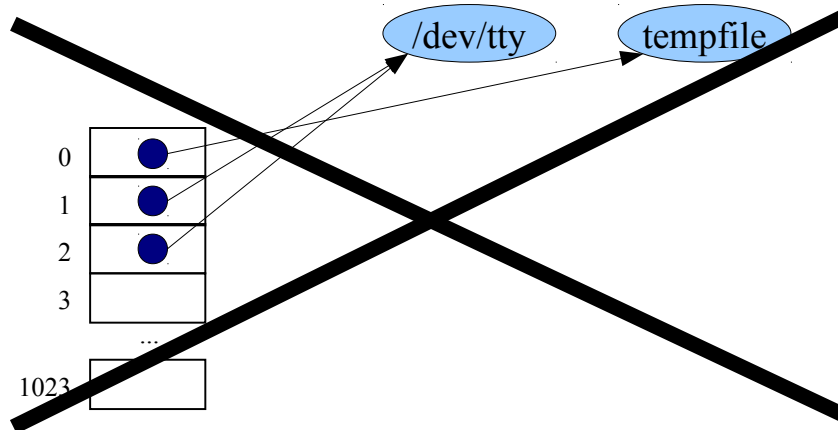


```
int main(void)
{
    int iFd;
    char acBuffer[100];
    iFd ← open("tempfile", O_RDONLY);
    close(0);
    dup(iFd);
    close(iFd);
    scanf("%s", acBuffer);
    printf("%s", acBuffer);
    return 0;
}
```

Writes to stdout (alias `/dev/tty`):
`somedata\n`

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Trace of testdupin

```
% ./testdupin
```



```
int main(void)
{
    int iFd;
    char acBuffer[100];
    iFd = open("tempfile", O_RDONLY);
    close(0);
    dup(iFd);
    close(iFd);
    scanf("%s", acBuffer);
    printf("%s", acBuffer);
    return 0;
}
```

The code block is highlighted in light blue and crossed out with a large black 'X'. Annotations include a yellow box with the number '3' pointing to the `acBuffer` parameter in the `scanf` call, and a yellow box with the text `somedata\n` pointing to the `acBuffer` parameter in the `printf` call.

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