

Princeton University
COS 217: Introduction to Programming Systems
Trace of testdupout

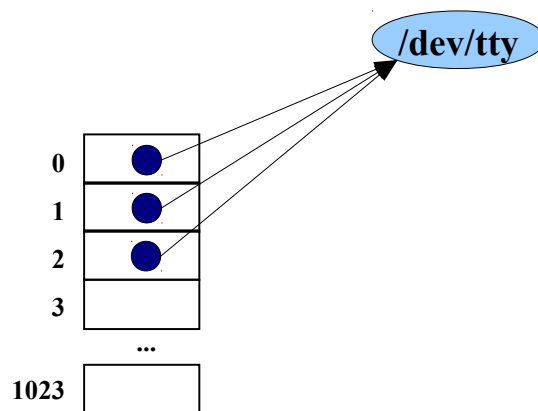
```
% gcc217 testdupout.c -o testdupout
```

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Trace of testdupout

```
% ./testdupout
```



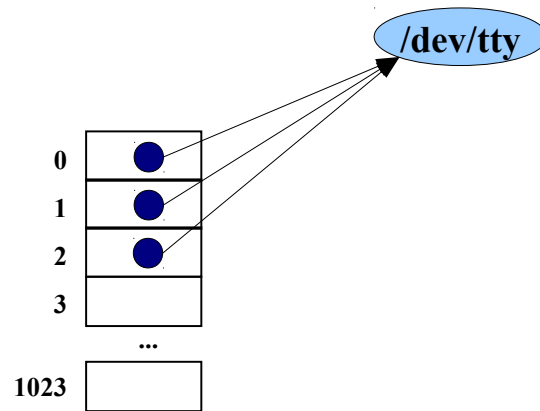
```
int main(void)
{
    int iFd;
    iFd = creat("tempfile", 0600);
    close(1);
    dup(iFd);
    close(iFd);
    fputs("somedata\n", stdout);
    return 0;
}
```

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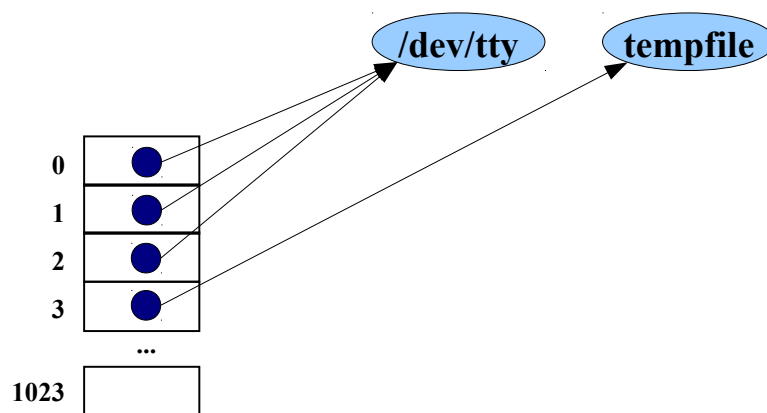
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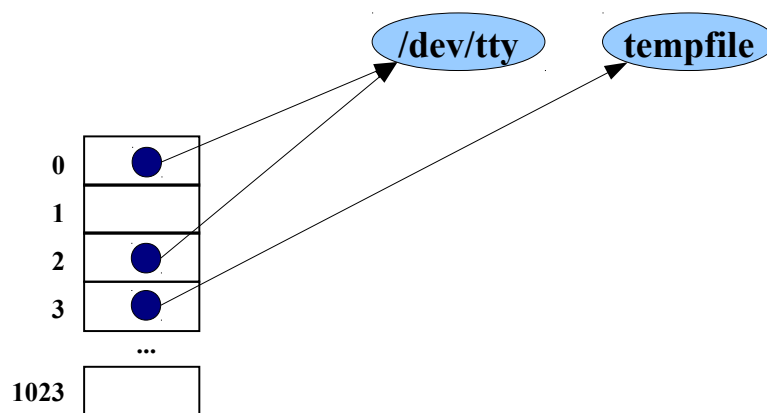
A small white box with the number 3 is positioned to the right of the `dup(iFd);` line, with an arrow pointing to the `iFd` argument.

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% ./testdupout
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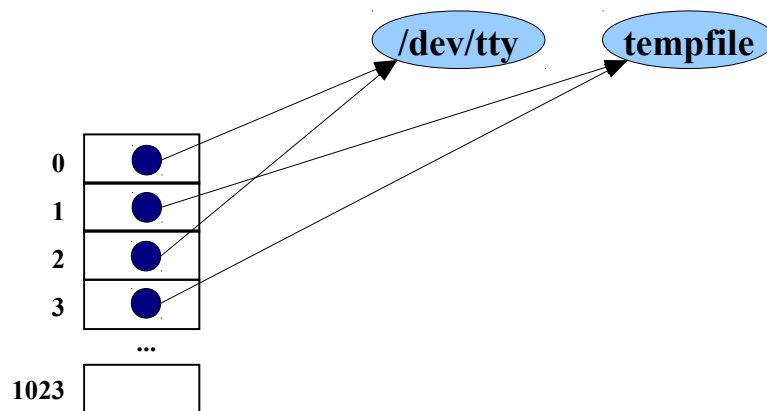
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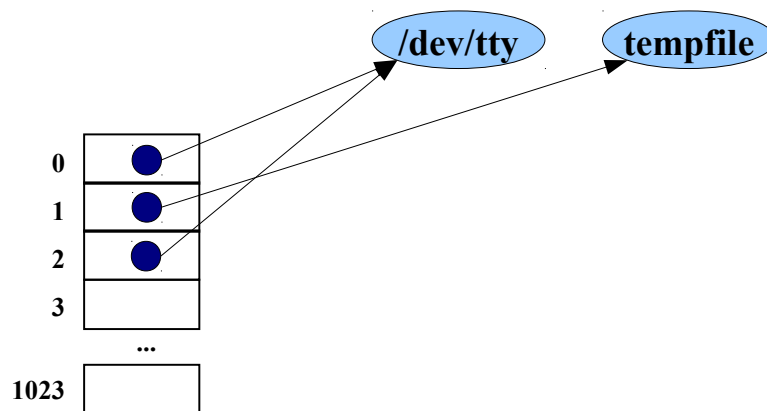
3

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Trace of testdupout

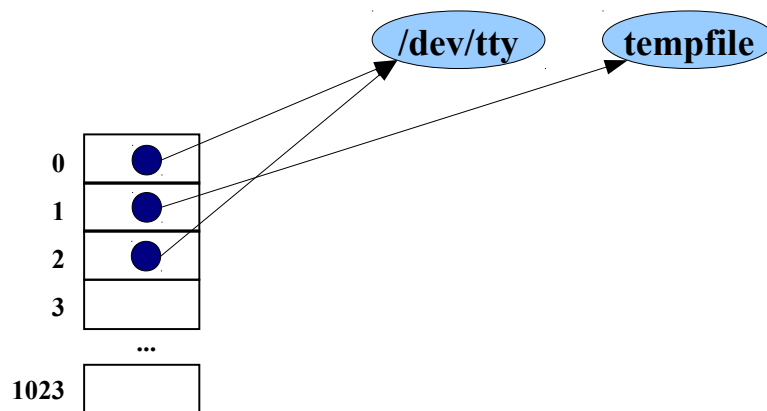
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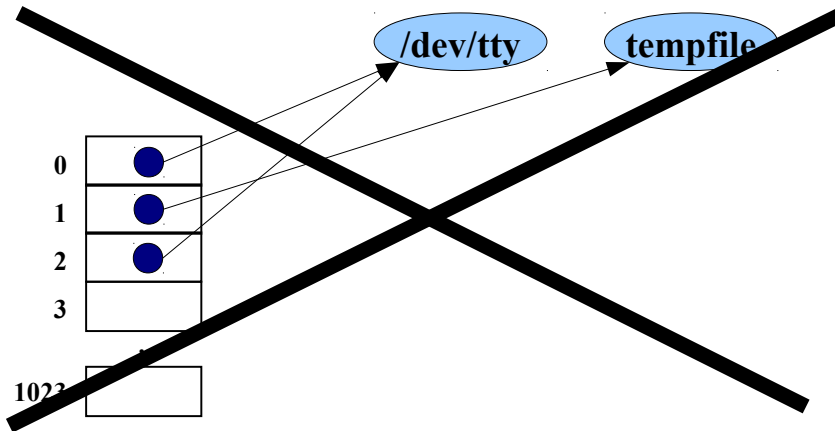
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int main(void)
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    int iFd;
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    dup(iFd);
    close(iFd);
    fputs("somedata\n", stdout);
    return 0;
}
```

A blue box containing C code. A small white box with the number "3" is positioned to the right of the opening curly brace of the main function. An arrow points from this box to the `creat` function call in the code.

Writes to stdout (alias tempfile):
somedata

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```
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    close(1);
    dup(iFd);
    close(iFd);
    fputs("somedata\n", stdout);
    return 0;
}
```

The code block is crossed out with a large black X. A small white box with the number "3" is positioned above the `dup(iFd);` line, with an arrow pointing to the `iFd` argument.

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